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OW nucleic - nucleic search, using sw model

Run on: July 23, 2005, 15:45:17 ; Search time 106.857 Seconds  
(without alignments)  
336.881 Million cell updates/sec

Title: US-09-463-209D-1\_COPY\_105\_126  
Perfect score: 22  
Sequence: 1 cttatcaataaataatgttcg 22

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 15

Total number of hits satisfying chosen parameters: 231

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	50	4	US-08-956-171E-5118
2	22	100.0	50	4	US-08-781-986A-5118
3	22	100.0	51	4	US-08-956-171E-5094
4	22	100.0	51	4	US-08-781-986A-5094
5	22	100.0	60	4	US-08-956-171E-5119
6	22	100.0	60	4	US-08-781-986A-5119
7	22	100.0	295	4	US-08-956-171E-4440
8	22	100.0	295	4	US-08-781-986A-4440
9	22	100.0	325	4	US-08-956-171E-4226
10	22	100.0	325	4	US-08-781-986A-4226
11	22	100.0	335	4	US-08-956-171E-4356
12	22	100.0	335	4	US-08-781-986A-4356
13	22	100.0	338	4	US-08-956-171E-4246
14	22	100.0	338	4	US-08-781-986A-4246
15	22	100.0	340	4	US-08-956-171E-4195
16	22	100.0	340	4	US-08-781-986A-4195
17	22	100.0	371	4	US-08-956-171E-4118
18	22	100.0	371	4	US-08-781-986A-4118
19	22	100.0	380	4	US-08-956-171E-4075
20	22	100.0	380	4	US-08-781-986A-4075
21	22	100.0	400	4	US-08-956-171E-3611
22	22	100.0	400	4	US-08-956-171E-3631
23	22	100.0	400	4	US-08-956-171E-3634
24	22	100.0	400	4	US-08-956-171E-3638
25	22	100.0	400	4	US-08-956-171E-3670
26	22	100.0	400	4	US-08-956-171E-3675
27	22	100.0	400	4	US-08-956-171E-3700

28	22	100.0	400	4	US-08-956-171E-3708	Sequence 3708, Ap
29	22	100.0	400	4	US-08-956-171E-3719	Sequence 3719, Ap
30	22	100.0	400	4	US-08-956-171E-3748	Sequence 3748, Ap
31	22	100.0	400	4	US-08-956-171E-3768	Sequence 3768, Ap
32	22	100.0	400	4	US-08-956-171E-3803	Sequence 3803, Ap
33	22	100.0	400	4	US-08-956-171E-3858	Sequence 3858, Ap
34	22	100.0	400	4	US-08-956-171E-3866	Sequence 3866, Ap
35	22	100.0	400	4	US-08-956-171E-3972	Sequence 3972, Ap
36	22	100.0	400	4	US-08-781-986A-3611	Sequence 3611, Ap
37	22	100.0	400	4	US-08-781-986A-3631	Sequence 3631, Ap
38	22	100.0	400	4	US-08-781-986A-3634	Sequence 3634, Ap
39	22	100.0	400	4	US-08-781-986A-3638	Sequence 3638, Ap
40	22	100.0	400	4	US-08-781-986A-3670	Sequence 3670, Ap
41	22	100.0	400	4	US-08-781-986A-3675	Sequence 3675, Ap
42	22	100.0	400	4	US-08-781-986A-3700	Sequence 3700, Ap
43	22	100.0	400	4	US-08-781-986A-3708	Sequence 3708, Ap
44	22	100.0	400	4	US-08-781-986A-3719	Sequence 3719, Ap
45	22	100.0	400	4	US-08-781-986A-3748	Sequence 3748, Ap

#### ALIGNMENTS

RESULT 1  
US-08-956-171E-5118  
Sequence 5118, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rozen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 5118:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 5118:

US-08-956-171E-5118

Query Match 100.0%; Score 22; DB 4; Length 50;  
 Best Local Similarity 100.0%; Pred. No. 0.035;  
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
 |||||  
 DB 22 CTTAATCAAAATAATGTTTG 43

RESULT 2  
 US-08-781-986A-5118  
 ; Sequence 5118, Application US/08781986A  
 ; Patent No. 6737248  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/781,986A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Benson, Bob  
 ; REGISTRATION NUMBER: 30,446  
 ; REFERENCE/DOCKET NUMBER: PB248PP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8504  
 ; TELEFAX: (301) 309-8512  
 ; INFORMATION FOR SEQ ID NO: 5118:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 50 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; US-08-781-986A-5118

Query Match 100.0%; Score 22; DB 4; Length 50;  
 Best Local Similarity 100.0%; Pred. No. 0.035;  
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
 |||||  
 DB 22 CTTAATCAAAATAATGTTTG 43

RESULT 3  
 US-08-956-171E-5094  
 ; Sequence 5094, Application US/08956171E  
 ; Patent No. 6593114  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; Gil H. Choi  
 ; Patrick S. Dillon  
 ; Craig A. Rosen  
 ; Steven C. Barash  
 ; Michael R. Fannon  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/956,171E  
 ; FILING DATE: 20-Oct-1997  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 60/009,861  
 ; FILING DATE: January 5, 1996  
 ; APPLICATION NUMBER: 08/781,986  
 ; FILING DATE: January 3, 1997  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mark J. Hyman  
 ; REGISTRATION NUMBER: 46,789  
 ; REFERENCE/DOCKET NUMBER: PB248P1  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (240) 314-1224  
 ; TELEFAX: (301) 309-8439  
 ; INFORMATION FOR SEQ ID NO: 5094:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 51 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 5094:  
 US-08-956-171E-5094

Query Match 100.0%; Score 22; DB 4; Length 51;  
 Best Local Similarity 100.0%; Pred. No. 0.035;  
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
 |||||  
 DB 23 CTTAATCAAAATAATGTTTG 44

RESULT 4  
 US-08-781-986A-5094  
 ; Sequence 5094, Application US/08781986A  
 ; Patent No. 6737248  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/781,986A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 5094:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-5094

Query Match 100.0%; Score 22; DB 4; Length 51;  
Best Local Similarity 100.0%; Pred. No. 0.035;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
|||  
23 CTTAATCAAAATAATGTTTG 44

Db

RESULT 5  
US-08-956-171E-5119  
Sequence 5119, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunesh  
Gil H. Choi  
Patrick S. Dillon  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 5119:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 60 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 5119:  
US-08-956-171E-5119

Query Match 100.0%; Score 22; DB 4; Length 60;  
Best Local Similarity 100.0%; Pred. No. 0.034;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
|||  
Db 12 CTTAATCAAAATAATGTTTG 33

RESULT 6  
US-08-781-986A-5119  
Sequence 5119, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunesh  
Gil H. Choi  
Patrick S. Dillon  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 5119:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 60 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-5119

Query Match 100.0%; Score 22; DB 4; Length 60;  
Best Local Similarity 100.0%; Pred. No. 0.034;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAATGTTTG 22  
|||  
Db 12 CTTAATCAAAATAATGTTTG 33

RESULT 7  
US-08-956-171E-4440  
Sequence 4440, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunesh  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4440:  
US-08-956-171E-4440

Query Match 100.0%; Score 22; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 0.031;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTATCAAAATAAATGTTTG 22  
|||||  
Db 63 CTTATCAAAATAAATGTTTG 84

RESULT 8  
US-08-781-986A-4440  
Sequence 4440, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4440

Query Match 100.0%; Score 22; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 0.031;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTATCAAAATAAATGTTTG 22  
|||||  
Db 63 CTTATCAAAATAAATGTTTG 84

RESULT 9  
US-08-956-171E-4226/C  
Sequence 4226, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:

US-08-956-171E-4226

Query Match 100.0%; Score 22; DB 4; Length 325;

Best Local Similarity 100.0%; Pred. No. 0.031;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTAATCAAAATAATGTTTG 22

Db 274 CTTAATCAAAATAATGTTTG 253

RESULT 10

US-08-781-986A-4226/C

Sequence 4226, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248BP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4226:

SEQUENCE CHARACTERISTICS:

LENGTH: 325 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4226

QY 1 CTTAATCAAAATAATGTTTG 22

Db 274 CTTAATCAAAATAATGTTTG 253

RESULT 11

US-08-956-171E-4356

Sequence 4356, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gill H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4356:

SEQUENCE CHARACTERISTICS:

LENGTH: 335 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4356:

QY 1 CTTAATCAAAATAATGTTTG 22

Db 311 CTTAATCAAAATAATGTTTG 332

RESULT 12

US-08-781-986A-4356

Sequence 4356, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4356:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 335 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4356

Query Match 100.0%; Score 22; DB 4; Length 335;  
Best Local Similarity 100.0%; Pred. No. 0.03;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTAATCAAAATAATGTTTG 22  
|||||  
Db 311 CTTAATCAAAATAATGTTTG 332

RESULT 13  
US-08-956-171E-4246/c  
Sequence 4246, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Pannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4246:  
US-08-956-171E-4246

Query Match 100.0%; Score 22; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.03;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTAATCAAAATAATGTTTG 22  
|||||  
Db 240 CTTAATCAAAATAATGTTTG 219

RESULT 14  
US-08-781-986A-4246/c  
Sequence 4246, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4246

Query Match 100.0%; Score 22; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.03;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTTAATCAAAATAATGTTTG 22  
|||||  
Db 240 CTTAATCAAAATAATGTTTG 219

RESULT 15  
US-08-956-171E-4195/c  
Sequence 4195, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:  
US-08-956-171E-4195

Query Match 100.0%; Score 22; DB 4; Length 340;  
Best Local Similarity 100.0%; Pred. No. 0.03;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 CTTAATCAAAATPAATGTTTG 22  
|||  
Db 240 CTTAATCAAAATPAATGTTTG 219

Search completed: July 23, 2005, 21:06:49  
Job time : 107.857 secs

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OM nucleic - nucleic search, using sw model

Run on: July 23, 2005, 12:13:40 ; Search time 75.6044 Seconds  
(without alignments)  
432.852 Million cell updates/sec

Title: US-09-463-209D-4

Perfect score: 20  
Sequence: 1 cattatcttgatcagctc 20

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 81813359 residues

Total number of hits satisfying chosen parameters: 240568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PTCUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	20	100.0	50	4 US-08-956-171E-5118	Sequence 5118, Ap
C 2	20	100.0	50	4 US-08-781-986A-5118	Sequence 5118, Ap
C 3	20	100.0	51	4 US-08-956-171E-5094	Sequence 5094, Ap
C 4	20	100.0	51	4 US-08-781-986A-5094	Sequence 5094, Ap
5	20	100.0	209	4 US-08-956-171E-4693	Sequence 4693, Ap
6	20	100.0	209	4 US-08-781-986A-4693	Sequence 4693, Ap
7	20	100.0	213	4 US-08-956-171E-4630	Sequence 4630, Ap
8	20	100.0	213	4 US-08-781-986A-4630	Sequence 4630, Ap
9	20	100.0	283	4 US-08-956-171E-4460	Sequence 4460, Ap
10	20	100.0	283	4 US-08-781-986A-4460	Sequence 4460, Ap
C 11	20	100.0	295	4 US-08-956-171E-4440	Sequence 4440, Ap
C 12	20	100.0	295	4 US-08-781-986A-4440	Sequence 4440, Ap
C 13	20	100.0	306	4 US-08-956-171E-4548	Sequence 4548, Ap
14	20	100.0	306	4 US-08-781-986A-4548	Sequence 4548, Ap
15	20	100.0	309	4 US-08-956-171E-4326	Sequence 4326, Ap
16	20	100.0	309	4 US-08-781-986A-4326	Sequence 4326, Ap
17	20	100.0	325	4 US-08-956-171E-4226	Sequence 4226, Ap
18	20	100.0	325	4 US-08-781-986A-4226	Sequence 4226, Ap
19	20	100.0	338	4 US-08-956-171E-4246	Sequence 4246, Ap
20	20	100.0	338	4 US-08-781-986A-4246	Sequence 4246, Ap
21	20	100.0	340	4 US-08-956-171E-4195	Sequence 4195, Ap
22	20	100.0	340	4 US-08-781-986A-4195	Sequence 4195, Ap
23	20	100.0	370	4 US-08-956-171E-4270	Sequence 4270, Ap
24	20	100.0	370	4 US-08-781-986A-4270	Sequence 4270, Ap
25	20	100.0	371	4 US-08-956-171E-4118	Sequence 4118, Ap
26	20	100.0	371	4 US-08-781-986A-4118	Sequence 4118, Ap
C 27	20	100.0	380	4 US-08-956-171E-4075	Sequence 4075, Ap

C 28	20	100.0	380	4 US-08-781-986A-4075	Sequence 4075, Ap
29	20	100.0	386	4 US-08-956-171E-4064	Sequence 4064, Ap
30	20	100.0	386	4 US-08-781-986A-4064	Sequence 4064, Ap
31	20	100.0	400	4 US-08-956-171E-3611	Sequence 3611, Ap
32	20	100.0	400	4 US-08-956-171E-3624	Sequence 3624, Ap
33	20	100.0	400	4 US-08-956-171E-3634	Sequence 3634, Ap
34	20	100.0	400	4 US-08-956-171E-3670	Sequence 3670, Ap
35	20	100.0	400	4 US-08-956-171E-3700	Sequence 3700, Ap
36	20	100.0	400	4 US-08-956-171E-3708	Sequence 3708, Ap
C 37	20	100.0	400	4 US-08-956-171E-3719	Sequence 3719, Ap
38	20	100.0	400	4 US-08-956-171E-3738	Sequence 3738, Ap
39	20	100.0	400	4 US-08-956-171E-3748	Sequence 3748, Ap
40	20	100.0	400	4 US-08-956-171E-3768	Sequence 3768, Ap
41	20	100.0	400	4 US-08-956-171E-3803	Sequence 3803, Ap
42	20	100.0	400	4 US-08-956-171E-3858	Sequence 3858, Ap
C 43	20	100.0	400	4 US-08-956-171E-3866	Sequence 3866, Ap
44	20	100.0	400	4 US-08-956-171E-3934	Sequence 3934, Ap
45	20	100.0	400	4 US-08-956-171E-3934	Sequence 3934, Ap

#### ALIGNMENTS

RESULT 1  
US-08-956-171E-5118/c  
Sequence 5118, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Pannor

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: P248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 5118:

SEQUENCE CHARACTERISTICS:

LENGTH: 50 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 5118:

US-08-956-171E-5118

Query Match 100.0%; Score 20; DB 4; Length 50;  
 Best Local Similarity 100.0%; Pred. No. 11;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
 |||||  
 Db 38 CATTATTGTTAGTCT 19

RESULT 2

US-08-781-986A-5118/c  
 ; Sequence 5118, Application US/08781986A  
 ; Patent No. 6737248  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/781,986A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Benson, Bob  
 ; REGISTRATION NUMBER: 30,446  
 ; REFERENCE/DOCKET NUMBER: PB248PP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8504  
 ; TELEFAX: (301) 309-8512  
 ; INFORMATION FOR SEQ ID NO: 5118:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 50 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; US-08-781-986A-5118

Query Match 100.0%; Score 20; DB 4; Length 50;  
 Best Local Similarity 100.0%; Pred. No. 11;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
 |||||  
 Db 38 CATTATTGTTAGTCT 19

RESULT 3

US-08-956-171E-5094/c  
 ; Sequence 5094, Application US/08956171E  
 ; Patent No. 6593114  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 COMPUTER: HP Vectra 486/33  
 OPERATING SYSTEM: MSDOS version 6.2  
 SOFTWARE: ASCII Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/956,171E  
 FILING DATE: 20-Oct-1997  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/009,861  
 FILING DATE: January 5, 1996  
 APPLICATION NUMBER: 08/781,986  
 FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman  
 REGISTRATION NUMBER: 46,789  
 REFERENCE/DOCKET NUMBER: PB248P1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (240) 314-1224  
 TELEFAX: (301) 309-8439  
 INFORMATION FOR SEQ ID NO: 5094:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 51 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear

US-08-956-171E-5094  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 5094:

Query Match 100.0%; Score 20; DB 4; Length 51;  
 Best Local Similarity 100.0%; Pred. No. 11;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
 |||||  
 Db 39 CATTATTGTTAGTCT 20

RESULT 4

US-08-781-986A-5094/c  
 ; Sequence 5094, Application US/08781986A  
 ; Patent No. 6737248  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunsch  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/781,986A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 5094:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-5094

Query Match 100.0%; Score 20; DB 4; Length 51;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CATTATTGTTGATTAGTCT 20  
|||  
Db 39 CATTATTGTTGATTAGTCT 20

RESULT 5  
US-08-956-171E-4693  
Sequence 4693, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1995  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4693:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 209 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4693:  
US-08-956-171E-4693

Query Match 100.0%; Score 20; DB 4; Length 209;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CATTATTGTTGATTAGTCT 20  
|||  
Db 27 CATTATTGTTGATTAGTCT 46

RESULT 6  
US-08-781-986A-4693  
Sequence 4693, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4693:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 209 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4693

Query Match 100.0%; Score 20; DB 4; Length 209;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CATTATTGTTGATTAGTCT 20  
|||  
Db 27 CATTATTGTTGATTAGTCT 46

RESULT 7  
US-08-956-171E-4630  
Sequence 4630, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4630:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 213 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4630:  
US-08-956-171E-4630  
Query Match 100.0%; Score 20; DB 4; Length 213;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CATTATTGATTAGTCT 20  
Db 142 CATTATTGATTAGTCT 161  
RESULT 8  
US-08-781-986A-4630  
Sequence 4630, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4630:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 213 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4630  
Query Match 100.0%; Score 20; DB 4; Length 213;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CATTATTGATTAGTCT 20  
Db 142 CATTATTGATTAGTCT 161  
RESULT 9  
US-08-956-171E-4460  
Sequence 4460, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4460:

US-08-956-171E-4460

Query Match 100.0%; Score 20; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
198 CATTATTGTTAGTCT 217

RESULT 10

US-08-781-986A-4460  
Sequence 4460, Application US/08781986A  
Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4460:

SEQUENCE CHARACTERISTICS:

LENGTH: 283 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4460

Query Match 100.0%; Score 20; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
198 CATTATTGTTAGTCT 217

RESULT 11

US-08-956-171E-4440/C  
Sequence 4440, Application US/08956171E  
Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gill H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4440:

SEQUENCE CHARACTERISTICS:

LENGTH: 295 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4440:

US-08-956-171E-4440

Query Match 100.0%; Score 20; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGTTAGTCT 20  
79 CATTATTGTTAGTCT 60

RESULT 12

US-08-781-986A-4440/C  
Sequence 4440, Application US/08781986A  
Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4440

Query Match 100.0%; Score 20; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATTATTGATTAGTCT 20  
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Db 79 CATTATTGATTAGTCT 60

RESULT 13  
US-08-956-171E-4548  
Sequence 4548, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4548:  
US-08-956-171E-4548

Query Match 100.0%; Score 20; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATTATTGATTAGTCT 20  
|||  
Db 81 CATTATTGATTAGTCT 100

RESULT 14  
US-08-781-986A-4548  
Sequence 4548, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4548

Query Match 100.0%; Score 20; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATTATTGATTAGTCT 20  
|||  
Db 81 CATTATTGATTAGTCT 100

RESULT 15  
US-08-956-171E-4326  
Sequence 4326, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4326:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 309 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4326:  
US-08-956-171E-4326

Query Match 100.0%; Score 20; DB 4; Length 309;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 248 CATTATTGATTAGTCT 267

Search completed: July 23, 2005, 15:51:01  
Job time : 76.6044 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 23, 2005, 15:19:37 ; Search time 400.44 Seconds

(without alignments)  
316.865 Million cell updates/sec

Title: US-09-463-209D-4

Perfect score: 20

Sequence: 1 catlcttgcattagctc 20

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 7173243 seqs, 3172129809 residues 14346486

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database :

Published Applications NA:\*

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2: /cgn2\_6/ptodata/2/pubpna/PCR\_NEW\_PUB.seq:\*  
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4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*  
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20: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq:\*  
21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*  
22: /cgn2\_6/ptodata/2/pubpna/US10I\_NEW\_PUB.seq:\*  
23: /cgn2\_6/ptodata/2/pubpna/US11\_PUBCOMB.seq:\*  
24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq:\*  
25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	20	100.0	50	8 US-08-781-986A-5118	Sequence 5118, Ap
C 2	20	100.0	50	18 US-10-329-624-5118	Sequence 5118, Ap
C 3	20	100.0	51	8 US-08-781-986A-5094	Sequence 5094, Ap
C 4	20	100.0	51	18 US-10-329-624-5094	Sequence 5094, Ap
5	20	100.0	209	8 US-08-781-986A-4693	Sequence 4693, Ap
6	20	100.0	209	18 US-10-329-624-4693	Sequence 4693, Ap
7	20	100.0	213	8 US-08-781-986A-4630	Sequence 4630, Ap

8	20	100.0	213	18 US-10-329-624-4630	Sequence 4630, Ap
9	20	100.0	283	8 US-08-781-986A-4460	Sequence 4460, Ap
10	20	100.0	283	18 US-10-329-624-4460	Sequence 4460, Ap
C 11	20	100.0	295	8 US-08-781-986A-4440	Sequence 4440, Ap
C 12	20	100.0	295	18 US-10-329-624-4440	Sequence 4440, Ap
13	20	100.0	306	8 US-08-781-986A-4548	Sequence 4548, Ap
14	20	100.0	306	18 US-10-329-624-4548	Sequence 4548, Ap
15	20	100.0	309	8 US-08-781-986A-4326	Sequence 4326, Ap
16	20	100.0	309	18 US-10-329-624-4326	Sequence 4326, Ap
17	20	100.0	325	8 US-08-781-986A-4226	Sequence 4226, Ap
18	20	100.0	325	18 US-10-329-624-4226	Sequence 4226, Ap
19	20	100.0	338	8 US-08-781-986A-4246	Sequence 4246, Ap
20	20	100.0	338	18 US-10-329-624-4246	Sequence 4246, Ap
21	20	100.0	340	8 US-08-781-986A-4195	Sequence 4195, Ap
22	20	100.0	340	18 US-10-329-624-4195	Sequence 4195, Ap
23	20	100.0	370	8 US-08-781-986A-4270	Sequence 4270, Ap
24	20	100.0	370	18 US-10-329-624-4270	Sequence 4270, Ap
25	20	100.0	371	8 US-08-781-986A-4118	Sequence 4118, Ap
26	20	100.0	371	18 US-10-329-624-4118	Sequence 4118, Ap
C 27	20	100.0	380	8 US-08-781-986A-4075	Sequence 4075, Ap
C 28	20	100.0	380	18 US-10-329-624-4075	Sequence 4075, Ap
29	20	100.0	386	8 US-08-781-986A-4064	Sequence 4064, Ap
30	20	100.0	386	18 US-10-329-624-4064	Sequence 4064, Ap
31	20	100.0	400	8 US-08-781-986A-3611	Sequence 3611, Ap
32	20	100.0	400	8 US-08-781-986A-3624	Sequence 3624, Ap
33	20	100.0	400	8 US-08-781-986A-3634	Sequence 3634, Ap
34	20	100.0	400	8 US-08-781-986A-3638	Sequence 3638, Ap
35	20	100.0	400	8 US-08-781-986A-3670	Sequence 3670, Ap
36	20	100.0	400	8 US-08-781-986A-3700	Sequence 3700, Ap
C 37	20	100.0	400	8 US-08-781-986A-3708	Sequence 3708, Ap
38	20	100.0	400	8 US-08-781-986A-3719	Sequence 3719, Ap
39	20	100.0	400	8 US-08-781-986A-3738	Sequence 3738, Ap
40	20	100.0	400	8 US-08-781-986A-3748	Sequence 3748, Ap
41	20	100.0	400	8 US-08-781-986A-3768	Sequence 3768, Ap
42	20	100.0	400	8 US-08-781-986A-3803	Sequence 3803, Ap
C 43	20	100.0	400	8 US-08-781-986A-3858	Sequence 3858, Ap
44	20	100.0	400	8 US-08-781-986A-3866	Sequence 3866, Ap
45	20	100.0	400	8 US-08-781-986A-3934	Sequence 3934, Ap

## ALIGNMENTS

RESULT 1  
US-08-781-986A-5118/c  
Sequence 5118, Application US/08781986A  
Publication No. US2003005443651  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446

```

REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 5118:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-5118

Query Match          100.0%; Score 20; DB 8; Length 50;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20
    |||||
Db 38 CATTATTGATTAAGTCT 19

RESULT 2
US-10-329-624-5118/c
Sequence 5118, Application US/10329624
Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
            Gil H. Choi
            Patrick S. Dillon
            Craig A. Rosen
            Steven C. Barash
            Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESS: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/329,624
FILING DATE: 27-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/956,171
FILING DATE: October 20, 1997
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248PPD1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 5118:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-10-329-624-5118

Sequence DESCRIPTION: SEQ ID NO: 5118:
US-10-329-624-5118

Query Match          100.0%; Score 20; DB 18; Length 50;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20
    |||||
Db 38 CATTATTGATTAAGTCT 19

RESULT 3
US-08-781-986A-5094/c
Sequence 5094, Application US/08781986A
Publication No. US20030054436A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
            Gil H. Choi
            Patrick S. Dillon
            Craig A. Rosen
            Steven C. Barash
            Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESS: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 5094:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-5094

Query Match          100.0%; Score 20; DB 8; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20
    |||||
Db 39 CATTATTGATTAAGTCT 20

RESULT 4
US-10-329-624-5094/c
Sequence 5094, Application US/10329624
Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
            Gil H. Choi
            Patrick S. Dillon
            Craig A. Rosen
            Steven C. Barash
            Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
```

ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 5094:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-10-329-624-5094

SEQUENCE DESCRIPTION: SEQ ID NO: 5094:

Query Match 100.0%; Score 20; DB 18; Length 51;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATTATTGATTAGTCT 20  
|||  
Db 39 CATTATTGATTAGTCT 20

RESULT 5  
US-08-781-986A-4693  
Sequence 4693, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4693:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 209 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-08-781-986A-4693

Query Match 100.0%; Score 20; DB 8; Length 209;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATTATTGATTAGTCT 20  
|||  
Db 27 CATTATTGATTAGTCT 46

RESULT 6  
US-10-329-624-4693  
Sequence 4693, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4693:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 209 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4693:

US-10-329-624-4693

Query Match 100.0%; Score 20; DB 18; Length 209;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20  
|||  
Db 27 CATTATTGATTAAGTCT 46

RESULT 7

US-08-781-986A-4630  
; Sequence 4630, Application US/08781986A  
; Publication No. US2003005436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248PP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 4630:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 213 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-4630

Query Match 100.0%; Score 20; DB 8; Length 213;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20  
|||  
Db 142 CATTATTGATTAAGTCT 161

RESULT 8

US-10-329-624-4630  
; Sequence 4630, Application US/10329624  
; Publication No. US20040043037A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; Gil H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/329,624  
; FILING DATE: 27-Dec-2002  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/956,171  
; FILING DATE: October 20, 1997  
; APPLICATION NUMBER: 60/009,861  
; FILING DATE: January 5, 1996  
; APPLICATION NUMBER: 08/781,986  
; FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4630:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 213 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-10-329-624-4630  
SEQUENCE DESCRIPTION: SEQ ID NO: 4630:

Query Match 100.0%; Score 20; DB 18; Length 213;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAAGTCT 20  
|||  
Db 142 CATTATTGATTAAGTCT 161

RESULT 9

US-08-781-986A-4460  
; Sequence 4460, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248BP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8512
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 4460:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-4460

Query Match      100.0%; Score 20; DB 8; Length 283;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATTATTGATTAAGTCT 20
Db      198 CATTATTGATTAAGTCT 217

RESULT 10
; US-10-329-624-4460
; Sequence 4460, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 4460:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 base pairs
; TYPE: nucleic acid
```

```

; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4460:
; US-10-329-624-4460

Query Match      100.0%; Score 20; DB 18; Length 283;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATTATTGATTAAGTCT 20
Db      198 CATTATTGATTAAGTCT 217

RESULT 11
; US-08-781-986A-4440/C
; Sequence 4440, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248BP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8512
; TELEFAX: (301) 309-8504
; INFORMATION FOR SEQ ID NO: 4440:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-4440

Query Match      100.0%; Score 20; DB 8; Length 295;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATTATTGATTAAGTCT 20
Db      79 CATTATTGATTAAGTCT 60

RESULT 12
; US-10-329-624-4440/C
; Sequence 4440, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
```

Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4440:  
US-10-329-624-4440  
Query Match 100.0%; Score 20; DB 18; Length 295;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CATTATTGATTAGTCT 20  
Db 79 CATTATTGATTAGTCT 60  
RESULT 13  
US-08-781-986A-4548  
Sequence 4548, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4548  
Query Match 100.0%; Score 20; DB 8; Length 306;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CATTATTGATTAGTCT 20  
Db 81 CATTATTGATTAGTCT 100  
RESULT 14  
US-10-329-624-4548  
Sequence 4548, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4548:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 306 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4548:  
 US-10-329-624-4548

Query Match 100.0%; Score 20; DB 18; Length 306;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAGTCT 20  
 |||||  
 Db 81 CATTATTGATTAGTCT 100

RESULT 15  
 US-08-781-986A-4326  
 ; Sequence 4326, Application US/08781986A  
 ; Publication No. US20030054436A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles Kunech  
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 ; NUMBER OF SEQUENCES: 5255  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.  
 ; STREET: 9410 Key West Avenue  
 ; CITY: Rockville  
 ; STATE: Maryland  
 ; COUNTRY: USA  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 ; COMPUTER: HP Vectra 486/33  
 ; OPERATING SYSTEM: MSDOS version 6.2  
 ; SOFTWARE: ASCII Text  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/781,986A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Benson, Bob  
 ; REGISTRATION NUMBER: 30,446  
 ; REFERENCE/DOCKET NUMBER: PB248PP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8504  
 ; TELEFAX: (301) 309-8512  
 ; INFORMATION FOR SEQ ID NO: 4326:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 309 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; US-08-781-986A-4326

Query Match 100.0%; Score 20; DB 8; Length 309;  
 Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATTATTGATTAGTCT 20  
 |||||  
 Db 248 CATTATTGATTAGTCT 267

Search completed: July 23, 2005, 21:03:14  
 Job time : 400.69 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using SW model

Run on: July 23, 2005, 12:13:40 ; Search time 68.044 Seconds  
(without alignments)  
432.852 Million cell updates/sec

Title: US-09-463-209D-2

Perfect score: 18  
Sequence: 1 gtcgaagcatgtgacat 18

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents, NA:\*

1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTCUTS.COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	100.0	77	US-08-956-171E-4944	Sequence 4944, Ap
2	18	100.0	77	US-08-781-986A-4944	Sequence 4944, Ap
3	18	100.0	149	US-08-956-171E-4725	Sequence 4725, Ap
4	18	100.0	149	US-08-781-986A-4725	Sequence 4725, Ap
5	18	100.0	184	US-08-956-171E-4751	Sequence 4751, Ap
6	18	100.0	184	US-08-781-986A-4751	Sequence 4751, Ap
7	18	100.0	257	US-08-956-171E-4502	Sequence 4502, Ap
8	18	100.0	257	US-08-781-986A-4502	Sequence 4502, Ap
9	18	100.0	283	US-08-956-171E-4460	Sequence 4460, Ap
10	18	100.0	283	US-08-781-986A-4460	Sequence 4460, Ap
11	18	100.0	295	US-08-956-171E-4440	Sequence 4440, Ap
12	18	100.0	295	US-08-781-986A-4440	Sequence 4440, Ap
13	18	100.0	306	US-08-956-171E-4548	Sequence 4548, Ap
14	18	100.0	306	US-08-781-986A-4548	Sequence 4548, Ap
15	18	100.0	325	US-08-956-171E-4226	Sequence 4226, Ap
16	18	100.0	325	US-08-781-986A-4226	Sequence 4226, Ap
17	18	100.0	338	US-08-956-171E-4246	Sequence 4246, Ap
18	18	100.0	338	US-08-781-986A-4246	Sequence 4246, Ap
19	18	100.0	340	US-08-956-171E-4195	Sequence 4195, Ap
20	18	100.0	340	US-08-781-986A-4195	Sequence 4195, Ap
21	18	100.0	367	US-08-956-171E-4059	Sequence 4059, Ap
22	18	100.0	367	US-08-781-986A-4059	Sequence 4059, Ap
23	18	100.0	380	US-08-956-171E-4075	Sequence 4075, Ap
24	18	100.0	380	US-08-781-986A-4075	Sequence 4075, Ap
25	18	100.0	386	US-08-956-171E-4064	Sequence 4064, Ap
26	18	100.0	386	US-08-781-986A-4064	Sequence 4064, Ap
27	18	100.0	400	US-08-956-171E-3611	Sequence 3611, Ap

C 28	18	100.0	400	4	US-08-956-171E-3620	Sequence 3620, Ap
C 29	18	100.0	400	4	US-08-956-171E-3624	Sequence 3624, Ap
C 30	18	100.0	400	4	US-08-956-171E-3634	Sequence 3634, Ap
C 31	18	100.0	400	4	US-08-956-171E-3638	Sequence 3638, Ap
C 32	18	100.0	400	4	US-08-956-171E-3670	Sequence 3670, Ap
C 33	18	100.0	400	4	US-08-956-171E-3675	Sequence 3675, Ap
C 34	18	100.0	400	4	US-08-956-171E-3700	Sequence 3700, Ap
C 35	18	100.0	400	4	US-08-956-171E-3708	Sequence 3708, Ap
C 36	18	100.0	400	4	US-08-956-171E-3719	Sequence 3719, Ap
C 37	18	100.0	400	4	US-08-956-171E-3738	Sequence 3738, Ap
C 38	18	100.0	400	4	US-08-956-171E-3748	Sequence 3748, Ap
C 39	18	100.0	400	4	US-08-956-171E-3768	Sequence 3768, Ap
C 40	18	100.0	400	4	US-08-956-171E-3803	Sequence 3803, Ap
C 41	18	100.0	400	4	US-08-956-171E-3858	Sequence 3858, Ap
C 42	18	100.0	400	4	US-08-956-171E-3866	Sequence 3866, Ap
C 43	18	100.0	400	4	US-08-956-171E-3972	Sequence 3972, Ap
C 44	18	100.0	400	4	US-08-781-986A-3611	Sequence 3611, Ap
C 45	18	100.0	400	4	US-08-781-986A-3620	Sequence 3620, Ap

## ALIGNMENTS

RESULT 1  
US-08-956-171E-4944  
Sequence 4944, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunesh

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956, 171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009, 861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781, 986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46, 789

REFERENCE/DOCKET NUMBER: PR248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4944:

SEQUENCE CHARACTERISTICS:

LENGTH: 77 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4944:

US-08-956-171E-4944

Query Match 100.0%; Score 18; DB 4; Length 77;  
Best Local Similarity 100.0%; Pred. No. 10;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAGAGCATGTGACAT 18  
|||  
DB 34 GTGAGAGCATGTGACAT 51

## RESULT 2

US-08-781-986A-4944

Sequence 4944, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:

NAME: Bensen, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4944:

SEQUENCE CHARACTERISTICS:

LENGTH: 77 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4944

Query Match 100.0%; Score 18; DB 4; Length 77;  
Best Local Similarity 100.0%; Pred. No. 10;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAGAGCATGTGACAT 18  
|||  
DB 34 GTGAGAGCATGTGACAT 51

## RESULT 3

US-08-956-171E-4725

Sequence 4725, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4725:

SEQUENCE CHARACTERISTICS:

LENGTH: 149 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4725:

Query Match 100.0%; Score 18; DB 4; Length 149;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAGAGCATGTGACAT 18  
|||  
DB 108 GTGAGAGCATGTGACAT 125

## RESULT 4

US-08-781-986A-4725

Sequence 4725, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4725:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4725

Query Match 100.0%; Score 18; DB 4; Length 149;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
|||  
Db 108 GTGAAGCATGTGACAT 125

RESULT 5  
US-08-956-171E-4751/C  
Sequence 4751, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4751:  
US-08-956-171E-4751

Query Match 100.0%; Score 18; DB 4; Length 184;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
|||  
Db 33 GTGAAGCATGTGACAT 16

RESULT 6  
US-08-781-986A-4751/C  
Sequence 4751, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4751

Query Match 100.0%; Score 18; DB 4; Length 184;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
|||  
Db 33 GTGAAGCATGTGACAT 16

RESULT 7  
US-08-956-171E-4502  
Sequence 4502, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

```
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESSES:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4502:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4502:
US-08-956-171E-4502

Query Match          100.0%; Score 18; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTGGAAGCATGTGCAT 18
DB      236 GTGGAAGCATGTGCAT 253

RESULT 8
US-08-781-986A-4502
Sequence 4502, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunach
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
```

```
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4502:
SEQUENCE CHARACTERISTICS:
LENGTH: 257 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4502

Query Match          100.0%; Score 18; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTGGAAGCATGTGCAT 18
DB      236 GTGGAAGCATGTGCAT 253

RESULT 9
US-08-956-171E-4460/C
Sequence 4460, Application US/08956171E
Patent No. 6593114
GENERAL INFORMATION:
APPLICANT: Charles Kunach
          Gil H. Choi
          Patrick S. Dillon
          Craig A. Rosen
          Steven C. Barash
          Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4460:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4460:
```

US-08-956-171E-4460

Query Match 100.0%; Score 18; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGAGACATGTGTGACAT 18  
|||||  
Db 263 GTGAGACATGTGTGACAT 246

RESULT 10

US-08-781-986A-4460/C  
Sequence 4460, Application US/08781986A  
Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunach

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Beneson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248BP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4460:

SEQUENCE CHARACTERISTICS:

LENGTH: 283 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4460

RESULT 11

US-08-956-171E-4440  
Sequence 4440, Application US/08956171E  
Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunach

Gill H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248BP1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4440:

SEQUENCE CHARACTERISTICS:

LENGTH: 295 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4440:

US-08-956-171E-4440

Query Match 100.0%; Score 18; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGAGACATGTGTGACAT 18  
|||||  
Db 14 GTGAGACATGTGTGACAT 31

RESULT 12  
US-08-781-986A-4440  
Sequence 4440, Application US/08781986A  
Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunach

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4440

Query Match 100.0%; Score 18; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGGAAGCATGTGACAT 18  
14 GTGGAAGCATGTGACAT 31  
DB

RESULT 13  
US-08-956-171E-4548/C  
Sequence 4548, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Pannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4548:  
US-08-956-171E-4548

Query Match 100.0%; Score 18; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGGAAGCATGTGACAT 18  
146 GTGGAAGCATGTGACAT 129  
DB

RESULT 14  
US-08-781-986A-4548/C  
Sequence 4548, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4548

Query Match 100.0%; Score 18; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGGAAGCATGTGACAT 18  
146 GTGGAAGCATGTGACAT 129  
DB

RESULT 15  
US-08-956-171E-4226/C  
Sequence 4226, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:  
US-08-956-171E-4226  
Query Match 100.0%; Score 18; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 11;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GTGAAGCATGCTGACAT 18  
Db 323 GTGAAGCATGCTGACAT 306

Search completed: July 23, 2005, 15:51:00  
Job time : 68.04 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 23, 2005, 15:19:37 ; Search time 360.396 Seconds  
(without alignments)  
316.865 Million cell updates/sec

Title: US-09-463-209D-2

Perfect score: 18  
Sequence: 1 gtcgaagcatgctgacat 18 /

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 7173243 seqs, 3172129809 residues

Total number of hits satisfying chosen parameters: 14346486

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA.\*  
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2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*  
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16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*  
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22: /cgn2\_6/ptodata/2/pubpna/US10J\_PUBCOMB.seq.\*  
23: /cgn2\_6/ptodata/2/pubpna/US11\_PUBCOMB.seq.\*  
24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*  
25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	100.0	77	8	US-08-781-986A-4944
2	18	100.0	77	8	US-10-329-624-4944
3	18	100.0	149	8	US-08-781-986A-4725
4	18	100.0	149	8	US-10-329-624-4725
5	18	100.0	184	8	US-08-781-986A-4751
6	18	100.0	184	8	US-10-329-624-4751
7	18	100.0	215	9	US-09-815-242-3646

Result No.	Score	Query Match	Length	DB ID	Description
8	18	100.0	257	8	US-08-781-986A-4502
9	18	100.0	257	8	US-10-329-624-4502
10	18	100.0	283	8	US-08-781-986A-4460
11	18	100.0	283	8	US-10-329-624-4460
12	18	100.0	295	8	US-08-781-986A-4440
13	18	100.0	295	8	US-10-329-624-4440
14	18	100.0	306	8	US-08-781-986A-4548
15	18	100.0	306	8	US-10-329-624-4548
16	18	100.0	325	8	US-08-781-986A-4426
17	18	100.0	325	8	US-10-329-624-4426
18	18	100.0	338	8	US-08-781-986A-4426
19	18	100.0	338	8	US-10-329-624-4426
20	18	100.0	340	8	US-08-781-986A-4195
21	18	100.0	340	8	US-10-329-624-4195
22	18	100.0	367	8	US-08-781-986A-4059
23	18	100.0	367	8	US-10-329-624-4059
24	18	100.0	380	8	US-08-781-986A-4075
25	18	100.0	380	8	US-10-329-624-4075
26	18	100.0	386	8	US-08-781-986A-4064
27	18	100.0	386	8	US-10-329-624-4064
28	18	100.0	400	8	US-08-781-986A-3611
29	18	100.0	400	8	US-08-781-986A-3620
30	18	100.0	400	8	US-08-781-986A-3624
31	18	100.0	400	8	US-08-781-986A-3634
32	18	100.0	400	8	US-08-781-986A-3638
33	18	100.0	400	8	US-08-781-986A-3670
34	18	100.0	400	8	US-08-781-986A-3675
35	18	100.0	400	8	US-08-781-986A-3700
36	18	100.0	400	8	US-08-781-986A-3708
37	18	100.0	400	8	US-08-781-986A-3719
38	18	100.0	400	8	US-08-781-986A-3738
39	18	100.0	400	8	US-08-781-986A-3748
40	18	100.0	400	8	US-08-781-986A-3768
41	18	100.0	400	8	US-08-781-986A-3803
42	18	100.0	400	8	US-08-781-986A-3858
43	18	100.0	400	8	US-08-781-986A-3866
44	18	100.0	400	8	US-08-781-986A-3972
45	18	100.0	400	18	US-10-329-624-3611

#### ALIGNMENTS

RESULT 1  
US-08-781-986A-4944  
; Sequence 4944, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781, 986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446

```
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4944:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4944

Query Match      100.0%; Score 18; DB 8; Length 77;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTGGAAGCATGTGACAT 18
Db      34 GTGGAAGCATGTGACAT 51

RESULT 2
US-10-329-624-4944
; Sequence 4944, Application US/10329624
; Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunech
          Gil H. Choi
          Patrick S. Dillon
          Craig A. Rosen
          Steven C. Barash
          Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/329,624
FILING DATE: 27-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/956,171
FILING DATE: October 20, 1997
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4944:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4944:
US-10-329-624-4944

Query Match      100.0%; Score 18; DB 18; Length 77;
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Best Local Similarity 100.0%; Pred. No. 21;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTGGAAGCATGTGACAT 18
Db      34 GTGGAAGCATGTGACAT 51

RESULT 3
US-08-781-986A-4725
; Sequence 4725, Application US/08781986A
; Publication No. US20030054436A1
GENERAL INFORMATION:
APPLICANT: Charles Kunech
          Gil H. Choi
          Patrick S. Dillon
          Craig A. Rosen
          Steven C. Barash
          Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4725:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4725

Query Match      100.0%; Score 18; DB 8; Length 149;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTGGAAGCATGTGACAT 18
Db      108 GTGGAAGCATGTGACAT 125

RESULT 4
US-10-329-624-4725
; Sequence 4725, Application US/10329624
; Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunech
          Gil H. Choi
          Patrick S. Dillon
          Craig A. Rosen
          Steven C. Barash
          Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
```

ADDRESS: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4725:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4725:  
US-10-329-624-4725  
Query Match 100.0%; Score 18; DB 18; Length 149;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GTGGAAGCATGTGACAT 18  
Db 108 GTGGAAGCATGTGACAT 125  
RESULT 5  
US-08-781-986A-4751/c  
Sequence 4751, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4751  
Query Match 100.0%; Score 18; DB 8; Length 184;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GTGGAAGCATGTGACAT 18  
Db 33 GTGGAAGCATGTGACAT 16  
RESULT 6  
US-10-329-624-4751/c  
Sequence 4751, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4751:

US-10-329-624-4751

Query Match 100.0%; Score 18; DB 18; Length 184;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
DB 33 GTGAAGCATGTGACAT 16

RESULT 7

US-09-815-242-3646/C  
Sequence 3646, Application US/09815242  
Patent No. US20020061569A1  
GENERAL INFORMATION:  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari L.  
APPLICANT: Zvekind, Judith W.  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John D.  
APPLICANT: Carr, Grant J.  
APPLICANT: Yamamoto, Robert T.  
APPLICANT: Xu, H. Howard  
TITLE OF INVENTION: Identification of Essential Genes in  
FILE REFERENCE: EITRA.011A  
CURRENT APPLICATION NUMBER: US/09/815,242  
PRIOR FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
NUMBER OF SEQ ID NOS: 14110  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3646  
LENGTH: 215  
TYPE: DNA  
ORGANISM: Staphylococcus aureus  
US-09-815-242-3646

Query Match 100.0%; Score 18; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
DB 36 GTGAAGCATGTGACAT 19

RESULT 8

US-08-781-986A-4502  
Sequence 4502, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4502:

SEQUENCE CHARACTERISTICS:

LENGTH: 257 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4502

Query Match 100.0%; Score 18; DB 8; Length 257;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGAAGCATGTGACAT 18  
DB 236 GTGAAGCATGTGACAT 253

RESULT 9

US-10-329-624-4502  
Sequence 4502, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4502:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 257 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-10-329-624-4502

Query Match 100.0%; Score 18; DB 18; Length 257;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GTGAGACATGTCAT 18  
|||||  
Db 236 GTGAGACATGTCAT 253

RESULT 10  
US-08-781-986A-4460/C  
Sequence 4460, Application US/08781986A  
Publication No. US2003005436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4460

Query Match 100.0%; Score 18; DB 8; Length 283;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GTGAGACATGTCAT 18  
|||||  
Db 236 GTGAGACATGTCAT 253

Db 263 GTGAGACATGTCAT 246

RESULT 11  
US-10-329-624-4460/C  
Sequence 4460, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-10-329-624-4460

Query Match 100.0%; Score 18; DB 18; Length 283;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GTGAGACATGTCAT 18  
|||||  
Db 263 GTGAGACATGTCAT 246

RESULT 12  
US-08-781-986A-4440  
Sequence 4440, Application US/08781986A  
Publication No. US2003005436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4440

Query Match 100.0%; Score 18; DB 8; Length 295;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GTGAGACATGTGACAT 18  
Db 14 GTGAGACATGTGACAT 31

RESULT 13  
US-10-329-624-4440  
Sequence 4440, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4440:  
US-10-329-624-4440

Query Match 100.0%; Score 18; DB 18; Length 295;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GTGAGACATGTGACAT 18  
Db 14 GTGAGACATGTGACAT 31

RESULT 14  
US-08-781-986A-4548/c  
Sequence 4548, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4548

Query Match 100.0%; Score 18; DB 8; Length 306;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGGAAGCATGTGACAT 18  
|||  
Db 146 GTGGAAGCATGTGACAT 129

## RESULT 15

US-10-329-624-4548/c

; Sequence 4548, Application US/10329624

; Publication No. US20040043037A1

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/329,624

FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/956,171

FILING DATE: October 20, 1997

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248PID1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4548:

SEQUENCE CHARACTERISTICS:

LENGTH: 306 base pairs

TYPE: nucleic acid

STRADEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4548:

US-10-329-624-4548

US-10-329-624-4548

US-10-329-624-4548

US-10-329-624-4548

US-10-329-624-4548

US-10-329-624-4548

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US-10-329-624-4548

US-10-329-624-4548

US-10-329-624-4548

Search completed: July 23, 2005, 21:03:14  
Job time : 361.646 secs

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OM nucleic - nucleic search, using SW model

Run on: July 23, 2005, 15:45:17 ; Search time 97.1429 Seconds  
(without alignments)  
336.881 Million cell updates/sec

Title: US-09-463-209d-1\_COPY\_59\_78

Perfect score: 20

Sequence: 1 gaagcagcgcgcacacgcgga 20

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size: 15

Total number of hits satisfying chosen parameters: 140

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: Issued Patents, NA:

1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTCUTS.COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	77	4	US-08-956-171E-4944
2	20	100.0	77	4	US-08-781-986A-4944
3	20	100.0	149	4	US-08-956-171E-4725
4	20	100.0	149	4	US-08-781-986A-4725
5	20	100.0	184	4	US-08-956-171E-4751
6	20	100.0	184	4	US-08-781-986A-4751
7	20	100.0	213	4	US-08-956-171E-4630
8	20	100.0	213	4	US-08-781-986A-4630
9	20	100.0	306	4	US-08-956-171E-4548
10	20	100.0	306	4	US-08-781-986A-4548
11	20	100.0	325	4	US-08-956-171E-4226
12	20	100.0	325	4	US-08-781-986A-4226
13	20	100.0	338	4	US-08-956-171E-4246
14	20	100.0	338	4	US-08-781-986A-4246
15	20	100.0	340	4	US-08-956-171E-4195
16	20	100.0	340	4	US-08-781-986A-4195
17	20	100.0	367	4	US-08-956-171E-4059
18	20	100.0	367	4	US-08-781-986A-4059
19	20	100.0	371	4	US-08-956-171E-4118
20	20	100.0	371	4	US-08-781-986A-4118
21	20	100.0	386	4	US-08-956-171E-4064
22	20	100.0	386	4	US-08-781-986A-4064
23	20	100.0	400	4	US-08-956-171E-3611
24	20	100.0	400	4	US-08-956-171E-3620
25	20	100.0	400	4	US-08-956-171E-3624
26	20	100.0	400	4	US-08-956-171E-3634
27	20	100.0	400	4	US-08-956-171E-3638

C 28	20	100.0	400	4	US-08-956-171E-3670	Sequence 3670, Ap
C 29	20	100.0	400	4	US-08-956-171E-3675	Sequence 3675, Ap
C 30	20	100.0	400	4	US-08-956-171E-3700	Sequence 3700, Ap
C 31	20	100.0	400	4	US-08-956-171E-3708	Sequence 3708, Ap
C 32	20	100.0	400	4	US-08-956-171E-3719	Sequence 3719, Ap
C 33	20	100.0	400	4	US-08-956-171E-3738	Sequence 3738, Ap
C 34	20	100.0	400	4	US-08-956-171E-3744	Sequence 3744, Ap
C 35	20	100.0	400	4	US-08-956-171E-3748	Sequence 3748, Ap
C 36	20	100.0	400	4	US-08-956-171E-3768	Sequence 3768, Ap
C 37	20	100.0	400	4	US-08-956-171E-3803	Sequence 3803, Ap
C 38	20	100.0	400	4	US-08-956-171E-3858	Sequence 3858, Ap
C 39	20	100.0	400	4	US-08-956-171E-3866	Sequence 3866, Ap
C 40	20	100.0	400	4	US-08-956-171E-3972	Sequence 3972, Ap
C 41	20	100.0	400	4	US-08-781-986A-3611	Sequence 3611, Ap
C 42	20	100.0	400	4	US-08-781-986A-3620	Sequence 3620, Ap
C 43	20	100.0	400	4	US-08-781-986A-3624	Sequence 3624, Ap
C 44	20	100.0	400	4	US-08-781-986A-3634	Sequence 3634, Ap
C 45	20	100.0	400	4	US-08-781-986A-3638	Sequence 3638, Ap

## ALIGNMENTS

RESULT 1  
US-08-956-171E-4944  
Sequence 4944, Application US/08956171E  
Patent No. 6593114

GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956, 171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009, 861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781, 986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46, 789  
REFERENCE/DOCKET NUMBER: PB248B1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4944:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 77 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4944:  
US-08-956-171E-4944

Query Match 100.0%; Score 20; DB 4; Length 77;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 37 GAAGCATGTGACATGTGGA 56

RESULT 2  
US-08-781-986A-4944  
; Sequence 4944, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248BP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 4944:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 77 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-4944

Query Match 100.0%; Score 20; DB 4; Length 77;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 37 GAAGCATGTGACATGTGGA 56

RESULT 3  
US-08-956-171E-4725  
; Sequence 4725, Application US/08956171E  
; Patent No. 6593114  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; GIL H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/956,171E  
; FILING DATE: 20-Oct-1997  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/009,861  
; FILING DATE: January 5, 1996  
; APPLICATION NUMBER: 08/781,986  
; FILING DATE: January 3, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark J. Hyman  
; REGISTRATION NUMBER: 46,789  
; REFERENCE/DOCKET NUMBER: PB248P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (240) 314-1224  
; TELEFAX: (301) 309-8439  
; INFORMATION FOR SEQ ID NO: 4725:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 149 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4725:  
US-08-956-171E-4725

Query Match 100.0%; Score 20; DB 4; Length 149;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 111 GAAGCATGTGACATGTGGA 130

RESULT 4  
US-08-781-986A-4725  
; Sequence 4725, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4725:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4725

Query Match 100.0%; Score 20; DB 4; Length 149;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 111 GAAGCATGTGACATGTGGA 130

RESULT 5  
US-08-956-171E-4751/C  
Sequence 4751, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4751:  
US-08-956-171E-4751

Query Match 100.0%; Score 20; DB 4; Length 184;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 30 GAAGCATGTGACATGTGGA 11

RESULT 6  
US-08-781-986A-4751/C  
Sequence 4751, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4751

Query Match 100.0%; Score 20; DB 4; Length 184;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 30 GAAGCATGTGACATGTGGA 11

RESULT 7  
US-08-956-171E-4630/C  
Sequence 4630, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
US-08-956-171E-4630

NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4630:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 213 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4630:  
US-08-956-171E-4630  
Query Match 100.0%; Score 20; DB 4; Length 213;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GAAGCATGTGCATGTGGA 20  
DB 204 GAAGCATGTGCATGTGGA 185  
RESULT 8  
US-08-781-986A-4630/c  
Sequence 4630, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4630:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 213 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4630  
Query Match 100.0%; Score 20; DB 4; Length 213;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GAAGCATGTGCATGTGGA 20  
DB 204 GAAGCATGTGCATGTGGA 185  
RESULT 9  
US-08-956-171E-4548/c  
Sequence 4548, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4548:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 306 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4548:

US-08-956-171E-4548

Query Match 100.0%; Score 20; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGTCATGTGGA 20  
|||  
Db 143 GAAGCATGTGTCATGTGGA 124

RESULT 10

US-08-781-986A-4548/c  
; Sequence 4548, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; ATTORNEY/AGENT INFORMATION:  
; FILING DATE:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248BP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 4548:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 306 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
US-08-781-986A-4548

Query Match 100.0%; Score 20; DB 4; Length 306;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGTCATGTGGA 20  
|||  
Db 143 GAAGCATGTGTCATGTGGA 124

RESULT 11

US-08-956-171E-4226/c  
; Sequence 4226, Application US/08956171E  
; Patent No. 6593114  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; GIL H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248BP1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4226:

SEQUENCE CHARACTERISTICS:

LENGTH: 325 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4226:

US-08-956-171E-4226

Query Match 100.0%; Score 20; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGTCATGTGGA 20  
|||  
Db 320 GAAGCATGTGTCATGTGGA 301

RESULT 12

US-08-781-986A-4226/c  
; Sequence 4226, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226

Query Match 100.0%; Score 20; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGCA 20  
|||  
DB 320 GAAGCATGTGACATGTGCA 301

RESULT 13  
US-08-956-171E-4246/C  
Sequence 4246, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4246:  
US-08-956-171E-4246

Query Match 100.0%; Score 20; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGCA 20  
|||  
DB 286 GAAGCATGTGACATGTGCA 267

RESULT 14  
US-08-781-986A-4246/C  
Sequence 4246, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4246

Query Match 100.0%; Score 20; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGCA 20  
|||  
DB 286 GAAGCATGTGACATGTGCA 267

RESULT 15  
US-08-956-171E-4195/C  
Sequence 4195, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:  
US-08-956-171E-4195  
Query Match 100.0%; Score 20; DB 4; Length 340;  
Best Local Similarity 100.0%; Pred. NO. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GAAGCATGTTGACATGTGA 20  
|||||  
Db 286 GAAGCATGTTGACATGTGA 267

Search completed: July 23, 2005, 21:06:48  
Job time : 97.1429 secs

*This Page Blank (uspto)*



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 23, 2005, 20:33:13 ; Search time 493.333 Seconds  
(without alignments)  
262.521 Million cell updates/sec

Title: US-09-463-209D-1\_COPY\_59\_78

Perfect score: 20

Sequence: 1 gaagcatggtacatgcgga 20

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 7173243 seqs, 3172129809 residues

Word size : 15

Total number of hits satisfying chosen parameters: 219

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

Published Applications\_NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*

2: /cgn2\_6/ptodata/2/pubpna/PCF\_NEW\_PUB.seq:\*

3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*

4: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*

5: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*

6: /cgn2\_6/ptodata/2/pubpna/PCFUS\_PUBCOMB.seq:\*

7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*

8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*

9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*

10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*

11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*

12: /cgn2\_6/ptodata/2/pubpna/US09D\_PUBCOMB.seq:\*

13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*

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17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*

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19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq:\*

20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq:\*

21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*

22: /cgn2\_6/ptodata/2/pubpna/US10J\_NEW\_PUB.seq:\*

23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq:\*

24: /cgn2\_6/ptodata/2/pubpna/US11B\_NEW\_PUB.seq:\*

25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*

26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	77	8	US-08-781-986A-4944
2	20	100.0	77	18	US-10-329-624-4944
3	20	100.0	149	8	US-08-781-986A-4725
4	20	100.0	149	18	US-10-329-624-4725
5	20	100.0	184	8	US-08-781-986A-4751
6	20	100.0	184	18	US-10-329-624-4751
7	20	100.0	213	8	US-08-781-986A-4630

C 8	20	100.0	213	18	US-10-329-624-4630	Sequence 4630, Ap
C 9	20	100.0	215	9	US-09-815-242-3646	Sequence 3646, Ap
C 10	20	100.0	306	8	US-08-781-986A-4548	Sequence 4548, Ap
C 11	20	100.0	306	18	US-10-329-624-4548	Sequence 4548, Ap
C 12	20	100.0	325	8	US-08-781-986A-4226	Sequence 4226, Ap
C 13	20	100.0	325	18	US-10-329-624-4226	Sequence 4226, Ap
C 14	20	100.0	338	8	US-08-781-986A-4246	Sequence 4246, Ap
C 15	20	100.0	338	18	US-10-329-624-4246	Sequence 4246, Ap
C 16	20	100.0	340	8	US-08-781-986A-4195	Sequence 4195, Ap
C 17	20	100.0	340	18	US-10-329-624-4195	Sequence 4195, Ap
C 18	20	100.0	367	8	US-08-781-986A-4059	Sequence 4059, Ap
C 19	20	100.0	367	18	US-10-329-624-4059	Sequence 4059, Ap
C 20	20	100.0	371	8	US-08-781-986A-4118	Sequence 4118, Ap
C 21	20	100.0	371	18	US-10-329-624-4118	Sequence 4118, Ap
C 22	20	100.0	386	8	US-08-781-986A-4064	Sequence 4064, Ap
C 23	20	100.0	386	18	US-10-329-624-4064	Sequence 4064, Ap
C 24	20	100.0	400	8	US-08-781-986A-3611	Sequence 3611, Ap
C 25	20	100.0	400	8	US-08-781-986A-3620	Sequence 3620, Ap
C 26	20	100.0	400	8	US-08-781-986A-3624	Sequence 3624, Ap
C 27	20	100.0	400	8	US-08-781-986A-3634	Sequence 3634, Ap
C 28	20	100.0	400	8	US-08-781-986A-3638	Sequence 3638, Ap
C 29	20	100.0	400	8	US-08-781-986A-3670	Sequence 3670, Ap
C 30	20	100.0	400	8	US-08-781-986A-3675	Sequence 3675, Ap
C 31	20	100.0	400	8	US-08-781-986A-3700	Sequence 3700, Ap
C 32	20	100.0	400	8	US-08-781-986A-3708	Sequence 3708, Ap
C 33	20	100.0	400	8	US-08-781-986A-3719	Sequence 3719, Ap
C 34	20	100.0	400	8	US-08-781-986A-3738	Sequence 3738, Ap
C 35	20	100.0	400	8	US-08-781-986A-3744	Sequence 3744, Ap
C 36	20	100.0	400	8	US-08-781-986A-3748	Sequence 3748, Ap
C 37	20	100.0	400	8	US-08-781-986A-3768	Sequence 3768, Ap
C 38	20	100.0	400	8	US-08-781-986A-3803	Sequence 3803, Ap
C 39	20	100.0	400	8	US-08-781-986A-3858	Sequence 3858, Ap
C 40	20	100.0	400	8	US-08-781-986A-3866	Sequence 3866, Ap
C 41	20	100.0	400	8	US-08-781-986A-3972	Sequence 3972, Ap
C 42	20	100.0	400	18	US-10-329-624-3611	Sequence 3611, Ap
C 43	20	100.0	400	18	US-10-329-624-3620	Sequence 3620, Ap
C 44	20	100.0	400	18	US-10-329-624-3624	Sequence 3624, Ap
C 45	20	100.0	400	18	US-10-329-624-3634	Sequence 3634, Ap

#### ALIGNMENTS

RESULT 1

US-08-781-986A-4944

; Sequence 4944, Application US/08781986A

; Publication No. US20030054436A1

; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch

; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 5255

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4944:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 77 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4944

Query Match 100.0%; Score 20; DB 8; Length 77;  
Best Local Similarity 100.0%; Pred. No. 0.11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGGA 20  
Db 37 GAAGCATGTGACATGTGGA 56

RESULT 2  
US-10-329-624-4944  
Sequence 4944, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248PDI  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4944:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 77 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4944:  
US-10-329-624-4944

Query Match 100.0%; Score 20; DB 18; Length 77;

Best Local Similarity 100.0%; Pred. No. 0.11;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGGA 20  
Db 37 GAAGCATGTGACATGTGGA 56

RESULT 3  
US-08-781-986A-4725  
Sequence 4725, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4725:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4725

Query Match 100.0%; Score 20; DB 8; Length 149;  
Best Local Similarity 100.0%; Pred. No. 0.1;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGGA 20  
Db 111 GAAGCATGTGACATGTGGA 130

RESULT 4  
US-10-329-624-4725  
Sequence 4725, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:

ADDRESSER: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4725:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4725:  
US-10-329-624-4725

Query Match 100.0%; Score 20; DB 18; Length 149;  
Best Local Similarity 100.0%; Pred. No. 0.1;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 111 GAAGCATGTGACATGTGGA 130

RESULT 5  
US-08-781-986A-4751/c  
Sequence 4751, Application US/08781986A  
Publication No. US20030054436A1

GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-08-781-986A-4751

Query Match 100.0%; Score 20; DB 8; Length 184;  
Best Local Similarity 100.0%; Pred. No. 0.098;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGGA 20  
|||  
Db 30 GAAGCATGTGACATGTGGA 11

RESULT 6  
US-10-329-624-4751/c  
Sequence 4751, Application US/10329624  
Publication No. US20040043037A1

GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4751:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4751:

US-10-329-624-4751

Query Match 100.0%; Score 20; DB 18; Length 184;  
Best Local Similarity 100.0%; Pred. No. 0.098;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAAGCATGTGACATGTGA 20  
|||||  
DB 30 GAAGCATGTGACATGTGA 11

## RESULT 7

US-08-781-986A-4630/c  
; Sequence 4630, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4630:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 213 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-4630

Query Match 100.0%; Score 20; DB 8; Length 213;  
Best Local Similarity 100.0%; Pred. No. 0.097;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAAGCATGTGACATGTGA 20  
|||||  
DB 204 GAAGCATGTGACATGTGA 185

## RESULT 8

US-10-329-624-4630/c  
; Sequence 4630, Application US/10329624  
; Publication No. US20040043037A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch

Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/329,624  
; FILING DATE: 27-Dec-2002

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/956,171  
; FILING DATE: October 20, 1997  
; APPLICATION NUMBER: 60/009,861  
; FILING DATE: January 5, 1996  
; APPLICATION NUMBER: 08/781,986  
; FILING DATE: January 3, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (240) 314-1224  
; TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4630:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 213 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4630:  
; US-10-329-624-4630

Query Match 100.0%; Score 20; DB 18; Length 213;  
Best Local Similarity 100.0%; Pred. No. 0.097;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAAGCATGTGACATGTGA 20  
|||||  
DB 204 GAAGCATGTGACATGTGA 185

## RESULT 9

US-09-815-242-3646/c  
; Sequence 3646, Application US/09815242  
; Patent No. US20020061569A1  
; GENERAL INFORMATION:

APPLICANT: Haesibeck, Robert  
; APPLICANT: Ohlsen, Karl L.  
; APPLICANT: Zyskind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John D.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.

TITLE OF INVENTION: Identification of Essential Genes in  
; FILE REFERENCE: ELITRA.011A  
; CURRENT APPLICATION NUMBER: US/09/815,242

; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/242,578  
 PRIOR FILING DATE: 2000-10-23  
 PRIOR APPLICATION NUMBER: 60/253,625  
 PRIOR FILING DATE: 2000-11-27  
 PRIOR APPLICATION NUMBER: 60/257,931  
 PRIOR FILING DATE: 2000-12-22  
 PRIOR APPLICATION NUMBER: 60/269,308  
 PRIOR FILING DATE: 2001-02-16  
 NUMBER OF SEQ ID NOS: 14110  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 3646  
 LENGTH: 215  
 TYPE: DNA  
 ORGANISM: Staphylococcus aureus  
 US-09-815-242-3646

Query Match 100.0%; Score 20; DB 9; Length 215;  
 Best Local Similarity 100.0%; Pred. No. 0.097;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGA 20  
 |||||  
 Db 33 GAAGCATGTGACATGTGA 14

RESULT 10

US-08-781-986A-4548/c  
 Sequence 4548, Application US/08781986A  
 Publication No. US20030054436A1  
 GENERAL INFORMATION:  
 APPLICANT: Charles Kunsch  
 TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 NUMBER OF SEQUENCES: 5255  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20850  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 COMPUTER: HP Vectra 486/33  
 OPERATING SYSTEM: MSDOS version 6.2  
 SOFTWARE: ASCII Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/781,986A  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Benson, Bob  
 REGISTRATION NUMBER: 30,446  
 REFERENCE/DOCKET NUMBER: PB248PP  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 309-8504  
 TELEFAX: (301) 309-8512  
 INFORMATION FOR SEQ ID NO: 4548:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 306 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 US-08-781-986A-4548

Query Match 100.0%; Score 20; DB 8; Length 306;  
 Best Local Similarity 100.0%; Pred. No. 0.094;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 GAAGCATGTGACATGTGA 20  
 |||||

Db 143 GAAGCATGTGACATGTGA 124

RESULT 11

US-10-329-624-4548/c  
 Sequence 4548, Application US/10329624  
 Publication No. US20040043037A1  
 GENERAL INFORMATION:  
 APPLICANT: Charles Kunsch  
 Gil H. Choi  
 Patrick S. Dillon  
 Craig A. Rosen  
 Steven C. Barash  
 Michael R. Fannon  
 TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 NUMBER OF SEQUENCES: 5256  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20850  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
 COMPUTER: HP Vectra 486/33  
 OPERATING SYSTEM: MSDOS version 6.2  
 SOFTWARE: ASCII Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/329,624  
 FILING DATE: 27-Dec-2002  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/956,171  
 FILING DATE: October 20, 1997  
 APPLICATION NUMBER: 60/009,861  
 FILING DATE: January 5, 1996  
 APPLICATION NUMBER: 08/781,986  
 FILING DATE: January 3, 1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mark J. Hyman  
 REGISTRATION NUMBER: 46,789  
 REFERENCE/DOCKET NUMBER: PB248P1D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (240) 314-1224  
 TELEFAX: (301) 309-8439  
 INFORMATION FOR SEQ ID NO: 4548:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 306 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4548:  
 US-10-329-624-4548

Query Match 100.0%; Score 20; DB 18; Length 306;  
 Best Local Similarity 100.0%; Pred. No. 0.094;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAGCATGTGACATGTGA 20  
 |||||  
 Db 143 GAAGCATGTGACATGTGA 124

RESULT 12

US-08-781-986A-4226/c  
 Sequence 4226, Application US/08781986A  
 Publication No. US20030054436A1  
 GENERAL INFORMATION:  
 APPLICANT: Charles Kunsch  
 TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
 NUMBER OF SEQUENCES: 5255  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781.986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226

Query Match 100.0%; Score 20; DB 8; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.093;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGGA 20  
Db 320 GAAGCATGTGACATGTGGA 301

RESULT 13  
US-10-329-624-4226/c  
Sequence 4226, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329.624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956.171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248PID1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:  
US-10-329-624-4226

Query Match 100.0%; Score 20; DB 18; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.093;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTGACATGTGGA 20  
Db 320 GAAGCATGTGACATGTGGA 301

RESULT 14  
US-08-781-986A-4246/c  
Sequence 4246, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781.986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4246

Query Match 100.0%; Score 20; DB 8; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.093;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAAGCATGTCACATGTGGA 20  
|||  
Db 286 GAAGCATGTCACATGTGGA 267

## RESULT 15

US-10-329-624-4246/c  
; Sequence 4246, Application US/10329624  
; Publication No. US20040043037A1  
; GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Rannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/329,624

FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/956,171

FILING DATE: October 20, 1997

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248PID1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4246:

SEQUENCE CHARACTERISTICS:

LENGTH: 338 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4246:

US-10-329-624-4246

OY 1 GAAGCATGTCACATGTGGA 20  
|||  
Db 286 GAAGCATGTCACATGTGGA 267

Query Match 100.0%; Score 20; DB 18; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.093;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Search completed: July 23, 2005, 23:53:59  
Job time : 484.333 secs

***This Page Blank (uspto)***



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using SW model

Run on: July 23, 2005, 12:13:40 / Search time 113.407 Seconds  
(without alignments)  
432.852 Million cell updates/sec

Title: US-09-463-209D-1\_COPY\_127\_156

Perfect score: 30  
Sequence: 1 cgaagcaaatcacttactactatccta 30

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 240568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, NA:\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTCUTS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	30	100.0	242	4	US-08-956-171E-4538 Sequence 4538, Ap
C 2	30	100.0	242	4	US-08-781-986A-4538 Sequence 4538, Ap
C 3	30	100.0	283	4	US-08-956-171E-4460 Sequence 4460, Ap
C 4	30	100.0	283	4	US-08-781-986A-4460 Sequence 4460, Ap
C 5	30	100.0	325	4	US-08-956-171E-4226 Sequence 4226, Ap
C 6	30	100.0	325	4	US-08-781-986A-4226 Sequence 4226, Ap
C 7	30	100.0	338	4	US-08-956-171E-4246 Sequence 4246, Ap
C 8	30	100.0	338	4	US-08-781-986A-4246 Sequence 4246, Ap
C 9	30	100.0	340	4	US-08-956-171E-4195 Sequence 4195, Ap
C 10	30	100.0	340	4	US-08-781-986A-4195 Sequence 4195, Ap
C 11	30	100.0	348	4	US-08-956-171E-4175 Sequence 4175, Ap
C 12	30	100.0	348	4	US-08-781-986A-4175 Sequence 4175, Ap
C 13	30	100.0	367	4	US-08-956-171E-4059 Sequence 4059, Ap
C 14	30	100.0	367	4	US-08-781-986A-4059 Sequence 4059, Ap
C 15	30	100.0	371	4	US-08-956-171E-4118 Sequence 4118, Ap
C 16	30	100.0	371	4	US-08-781-986A-4118 Sequence 4118, Ap
C 17	30	100.0	386	4	US-08-956-171E-4064 Sequence 4064, Ap
C 18	30	100.0	386	4	US-08-781-986A-4064 Sequence 4064, Ap
C 19	30	100.0	400	4	US-08-956-171E-3611 Sequence 3611, Ap
C 20	30	100.0	400	4	US-08-956-171E-3624 Sequence 3624, Ap
C 21	30	100.0	400	4	US-08-956-171E-3634 Sequence 3634, Ap
C 22	30	100.0	400	4	US-08-956-171E-3638 Sequence 3638, Ap
C 23	30	100.0	400	4	US-08-956-171E-3670 Sequence 3670, Ap
C 24	30	100.0	400	4	US-08-956-171E-3675 Sequence 3675, Ap
C 25	30	100.0	400	4	US-08-956-171E-3719 Sequence 3719, Ap
C 26	30	100.0	400	4	US-08-956-171E-3738 Sequence 3738, Ap
C 27	30	100.0	400	4	US-08-956-171E-3748 Sequence 3748, Ap

C 28	30	100.0	400	4	US-08-956-171E-3768 Sequence 3768, Ap
C 29	30	100.0	400	4	US-08-956-171E-3803 Sequence 3803, Ap
C 30	30	100.0	400	4	US-08-956-171E-3866 Sequence 3866, Ap
C 31	30	100.0	400	4	US-08-956-171E-3934 Sequence 3934, Ap
C 32	30	100.0	400	4	US-08-781-986A-3611 Sequence 3611, Ap
C 33	30	100.0	400	4	US-08-781-986A-3624 Sequence 3624, Ap
C 34	30	100.0	400	4	US-08-781-986A-3634 Sequence 3634, Ap
C 35	30	100.0	400	4	US-08-781-986A-3638 Sequence 3638, Ap
C 36	30	100.0	400	4	US-08-781-986A-3670 Sequence 3670, Ap
C 37	30	100.0	400	4	US-08-781-986A-3675 Sequence 3675, Ap
C 38	30	100.0	400	4	US-08-781-986A-3719 Sequence 3719, Ap
C 39	30	100.0	400	4	US-08-781-986A-3738 Sequence 3738, Ap
C 40	30	100.0	400	4	US-08-781-986A-3748 Sequence 3748, Ap
C 41	30	100.0	400	4	US-08-781-986A-3768 Sequence 3768, Ap
C 42	30	100.0	400	4	US-08-781-986A-3803 Sequence 3803, Ap
C 43	30	100.0	400	4	US-08-781-986A-3866 Sequence 3866, Ap
C 44	30	100.0	400	4	US-08-781-986A-3934 Sequence 3934, Ap
C 45	30	100.0	401	4	US-08-956-171E-3731 Sequence 3731, Ap

## ALIGNMENTS

RESULT 1  
US-08-956-171E-4538/c

Sequence 4538, Application US/08956171E  
Patent No. 6593114

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Roegen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956, 171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009, 861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781, 986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46, 789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8639

INFORMATION FOR SEQ ID NO: 4538:

SEQUENCE CHARACTERISTICS:

LENGTH: 242 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4538:

US-08-956-171E-4538

Query Match	100.0%	Score 30	DB 4	Length 242
Best Local Similarity	100.0%	Prid. No. 0.0023		
Matches	30	Conservative 0	Mismatches 0	Indels 0
QY	1	CGAAGCAAAATCACTTTACTTACTACTCTTA	30	
Db	231	CGAAGCAAAATCACTTTACTTACTACTCTTA	202	

RESULT 2  
US-08-781-986A-4538/C

```

/ GENERAL INFORMATION:
/ APPLICANT: Charles Kunsch
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5255
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/781,986A
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Benson, Bob
/ REGISTRATION NUMBER: 30,446
/ REFERENCE/DOCKET NUMBER: PB248PP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (301) 309-8504
/ TELEFAX: (301) 309-8512
/ INFORMATION FOR SEQ ID NO: 4538:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 242 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ US-08-781-986A-4538

Query Match 100.0%; Score 30; DB 4; Length 242;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCACTTTTACTTACTACTACTCA 30
Db 231 CGAAGCAAAATCACTTTTACTTACTACTACTCA 202

RESULT 3
US-08-956-171E-4460/c
/ Sequence 4460, Application US/08956171E
/ Patent No. 6593114
/ GENERAL INFORMATION:
/ APPLICANT: Charles Kunsch
/ Gil H. Choi
/ Patrick S. Dillon
/ Craig A. Rosen
/ Steven C. Barash
/ Michael R. Fannon
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5256

```

```

CORRESPONDENCE ADDRESS:
ADDRESS: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII text

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: P248B1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-9439

INFORMATION FOR SEQ ID NO: 4460:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4460:
US-08-956-171E-4460

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Query	March	Similarity	100.0%	Score	30	DB	4	Length	283
Best	Local	Similarity	100.0%	Pred.	No.	0.0023			
Matches	30	Conservative	0	Mismatches	0	Indels	0	Gaps	0
OY	1	CGAAGCAAAATC	ACTTTACTTACT	ACTATCTA	30				
Db	192	CGAAGCAAAATC	ACTTTACTTACT	ACTATCTA	163				

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1  RESULT 4
2  US-08-781-986A-4460/c
3  ; Sequence 4460, Application US/08781986A
4  ; Patent No. 6737248
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Charles Kunsch
7  ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
8  ; NUMBER OF SEQUENCES: 5255
9  ; CORRESPONDENCE ADDRESS:
10 ; ADDRESSEE: Human Genome Sciences, Inc.
11 ; STREET: 9410 Key West Avenue
12 ; CITY: Rockville
13 ; STATE: Maryland
14 ; COUNTRY: USA
15 ; ZIP: 20850
16 ;
17 ; COMPUTER READABLE FORM:
18 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
19 ; COMPUTER: HP Vectra 486/33
20 ; OPERATING SYSTEM: MSDOS version 6.2
21 ; SOFTWARE: ASCII Text
22 ; CURRENT APPLICATION DATA:
23 ; APPLICATION NUMBER: US/08/781,986A
24 ; FILING DATE:
25 ; CLASSIFICATION: 435
26 ; PRIOR APPLICATION DATA:
27 ; APPLICATION NUMBER:
28 ; FILING DATE:
29 ;

```

## ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob  
REGISTRATION NUMBER: 30, 446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4460

Query Match 100.0%; Score 30; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 0.0023;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGAAGCAAAATCATTCTTACTTACTATCTA 30  
DB 192 CGAAGCAAAATCATTCTTACTTACTATCTA 163

## RESULT 5

US-08-956-171E-4226/c  
Sequence 4226, Application US/08956171E  
Patent No. 6593114

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman

## REGISTRATION NUMBER: 46, 789

REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

## INFORMATION FOR SEQ ID NO: 4226:

SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:  
US-08-956-171E-4226

Query Match 100.0%; Score 30; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.0023;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGAAGCAAAATCATTCTTACTTACTATCTA 30  
DB 252 CGAAGCAAAATCATTCTTACTTACTATCTA 223

## RESULT 6

US-08-781-986A-4226/c  
Sequence 4226, Application US/08781986A  
Patent No. 6737248

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:

## CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

## APPLICATION NUMBER:

## FILING DATE:

## ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob  
REGISTRATION NUMBER: 30, 446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226

Query Match 100.0%; Score 30; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.0023;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CGAAGCAAAATCATTCTTACTTACTATCTA 30  
DB 252 CGAAGCAAAATCATTCTTACTTACTATCTA 223

## RESULT 7

US-08-956-171E-4246/c  
Sequence 4246, Application US/08956171E  
Patent No. 6593114

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

```
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4246:
SEQUENCE CHARACTERISTICS:
LENGTH: 338 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4246:
US-08-956-171E-4246

Query Match      100.0%; Score 30; DB 4; Length 338;
Best Local Similarity 100.0%; Pred. No. 0.0024;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CGAAGCAAAATCACTTTACTTACTATCTA 30
DB      218 CGAAGCAAAATCACTTTACTTACTATCTA 189

RESULT 8
US-08-781-986A-4246/c
Sequence 4246, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4246:
SEQUENCE CHARACTERISTICS:
LENGTH: 338 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4246

Query Match      100.0%; Score 30; DB 4; Length 338;
Best Local Similarity 100.0%; Pred. No. 0.0024;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CGAAGCAAAATCACTTTACTTACTATCTA 30
DB      218 CGAAGCAAAATCACTTTACTTACTATCTA 189

RESULT 9
US-08-956-171E-4195/c
Sequence 4195, Application US/08956171E
Patent No. 6593114
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
           Gil H. Choi
           Patrick S. Dillon
           Craig A. Rosen
           Steven C. Barash
           Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4195:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:
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US-08-956-171E-4195

Query Match 100.0%; Score 30; DB 4; Length 340;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAGCAAAATCCTTTACTTACTATCTA 30  
DB 218 CGAGCAAAATCCTTTACTTACTATCTA 189

RESULT 10

US-08-781-986A-4195/c  
; Sequence 4195, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248BP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 4195:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 340 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-4195

US-08-781-986A-4195

Query Match 100.0%; Score 30; DB 4; Length 340;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAGCAAAATCCTTTACTTACTATCTA 30  
DB 218 CGAGCAAAATCCTTTACTTACTATCTA 189

RESULT 11

US-08-956-171E-4175/c  
; Sequence 4175, Application US/08956171E  
; Patent No. 6593114  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; GILL H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4175:

SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4175:  
US-08-956-171E-4175

Query Match 100.0%; Score 30; DB 4; Length 348;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAGCAAAATCCTTTACTTACTATCTA 30  
DB 265 CGAGCAAAATCCTTTACTTACTATCTA 236

RESULT 12

US-08-781-986A-4175/c  
; Sequence 4175, Application US/08781986A  
; Patent No. 6737248  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4175

Query Match 100.0%; Score 30; DB 4; Length 348;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCCTTTACTTACTATCTA 30  
Db 265 CGAAGCAAAATCCTTTACTTACTATCTA 236

RESULT 13  
US-08-956-171E-4059/c  
Sequence 4059, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4059:  
US-08-956-171E-4059

Query Match 100.0%; Score 30; DB 4; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCCTTTACTTACTATCTA 30  
Db 183 CGAAGCAAAATCCTTTACTTACTATCTA 154

RESULT 14  
US-08-781-986A-4059/c  
Sequence 4059, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4059

Query Match 100.0%; Score 30; DB 4; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.0024;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCCTTTACTTACTATCTA 30  
Db 183 CGAAGCAAAATCCTTTACTTACTATCTA 154

RESULT 15  
US-08-956-171E-4118/c  
Sequence 4118, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: P2248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4118:

SEQUENCE CHARACTERISTICS:

LENGTH: 371 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4118:

US-08-956-171E-4118

Query Match 100.0%; Score 30; DB 4; Length 371;

Best Local Similarity 100.0%; P-adj. No. 0.0024;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CGAGCAAAATCACTTTACTTACTACTA 30

248 CGAGCAAAATCACTTTACTTACTACTA 219

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Job time : 114.407 secs

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OM nucleic - nucleic search, using sw model

Run on: July 23, 2005, 15:19:37 ; Search time 600.659 Seconds  
(without alignments)  
316.865 Million cell updates/sec

Title: US-09-463-209D-1\_COPY\_127\_156

Perfect score: 30

Sequence: 1 cgaagcaaatcattactactaccta 30

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7173243 seqs, 3172129809 residues 14346486

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*

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12: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*

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22: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*

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25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*

26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	ID	Description
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C 2	30	100.0	242 18 US-10-329-624-4538	Sequence 4538, Ap
C 3	30	100.0	283 8 US-08-781-986A-4460	Sequence 4460, Ap
C 4	30	100.0	283 18 US-10-329-624-4460	Sequence 4460, Ap
C 5	30	100.0	325 8 US-08-781-986A-4226	Sequence 4226, Ap
C 6	30	100.0	325 18 US-10-329-624-4226	Sequence 4226, Ap
C 7	30	100.0	338 8 US-08-781-986A-4246	Sequence 4246, Ap

C	8	30	100.0	338	18	US-10-329-624-4246	Sequence 4246, Ap
C 9	30	100.0	340	8	US-08-781-986A-4195	Sequence 4195, Ap	
C 10	30	100.0	340	18	US-10-329-624-4195	Sequence 4195, Ap	
C 11	30	100.0	348	8	US-08-781-986A-4175	Sequence 4175, Ap	
C 12	30	100.0	348	18	US-10-329-624-4175	Sequence 4175, Ap	
C 13	30	100.0	367	8	US-08-781-986A-4059	Sequence 4059, Ap	
C 14	30	100.0	367	18	US-10-329-624-4059	Sequence 4059, Ap	
C 15	30	100.0	371	8	US-08-781-986A-4118	Sequence 4118, Ap	
C 16	30	100.0	371	18	US-10-329-624-4118	Sequence 4118, Ap	
C 17	30	100.0	386	8	US-08-781-986A-4064	Sequence 4064, Ap	
C 18	30	100.0	386	18	US-10-329-624-4064	Sequence 4064, Ap	
C 19	30	100.0	400	8	US-08-781-986A-3611	Sequence 3611, Ap	
C 20	30	100.0	400	8	US-08-781-986A-3624	Sequence 3624, Ap	
C 21	30	100.0	400	8	US-08-781-986A-3634	Sequence 3634, Ap	
C 22	30	100.0	400	8	US-08-781-986A-3638	Sequence 3638, Ap	
C 23	30	100.0	400	8	US-08-781-986A-3670	Sequence 3670, Ap	
C 24	30	100.0	400	8	US-08-781-986A-3675	Sequence 3675, Ap	
C 25	30	100.0	400	8	US-08-781-986A-3719	Sequence 3719, Ap	
C 26	30	100.0	400	8	US-08-781-986A-3738	Sequence 3738, Ap	
C 27	30	100.0	400	8	US-08-781-986A-3748	Sequence 3748, Ap	
C 28	30	100.0	400	8	US-08-781-986A-3768	Sequence 3768, Ap	
C 29	30	100.0	400	8	US-08-781-986A-3802	Sequence 3802, Ap	
C 30	30	100.0	400	8	US-08-781-986A-3866	Sequence 3866, Ap	
C 31	30	100.0	400	8	US-08-781-986A-3934	Sequence 3934, Ap	
C 32	30	100.0	400	18	US-10-329-624-3611	Sequence 3611, Ap	
C 33	30	100.0	400	18	US-10-329-624-3624	Sequence 3624, Ap	
C 34	30	100.0	400	18	US-10-329-624-3634	Sequence 3634, Ap	
C 35	30	100.0	400	18	US-10-329-624-3638	Sequence 3638, Ap	
C 36	30	100.0	400	18	US-10-329-624-3670	Sequence 3670, Ap	
C 37	30	100.0	400	18	US-10-329-624-3675	Sequence 3675, Ap	
C 38	30	100.0	400	18	US-10-329-624-3719	Sequence 3719, Ap	
C 39	30	100.0	400	18	US-10-329-624-3738	Sequence 3738, Ap	
C 40	30	100.0	400	18	US-10-329-624-3748	Sequence 3748, Ap	
C 41	30	100.0	400	18	US-10-329-624-3768	Sequence 3768, Ap	
C 42	30	100.0	400	18	US-10-329-624-3803	Sequence 3803, Ap	
C 43	30	100.0	400	18	US-10-329-624-3866	Sequence 3866, Ap	
C 44	30	100.0	400	18	US-10-329-624-3934	Sequence 3934, Ap	
C 45	30	100.0	401	8	US-08-781-986A-3731	Sequence 3731, Ap	

## ALIGNMENTS

RESULT 1

US-08-781-986A-4538/C

Sequence 4538, Application US/08781986A

Publication No. US20030054436A1

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

```
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4538:
SEQUENCE CHARACTERISTICS:
LENGTH: 242 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4538

Query Match
Best Local Similarity 100.0%; Score 30; DB 8; Length 242;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 231 CGAAGCAAAATCATTCTTACTTACTACTA 202

Cy 1 CGAAGCAAAATCATTCTTACTTACTACTA 30
|||||
|||||

RESULT 2
US-10-329-624-4538/c
Sequence 4538, Application US/10329624
Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/329,624
FILING DATE: 27-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/956,171
FILING DATE: October 20, 1997
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248PDI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4538:
SEQUENCE CHARACTERISTICS:
LENGTH: 242 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4538:
US-10-329-624-4538

Query Match 100.0%; Score 30; DB 18; Length 242;

REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4538:
SEQUENCE CHARACTERISTICS:
LENGTH: 242 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4460/c
Sequence 4460, Application US/08781986A
Publication No. US20030054436A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4460:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4460

Query Match
Best Local Similarity 100.0%; Score 30; DB 8; Length 283;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 192 CGAAGCAAAATCATTCTTACTTACTACTA 163

Cy 1 CGAAGCAAAATCATTCTTACTTACTACTA 30
|||||
|||||

RESULT 4
US-10-329-624-4460/c
Sequence 4460, Application US/10329624
Publication No. US20040043037A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
```

ADDRESSER: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-10-329-624-4460  
SEQUENCE DESCRIPTION: SEQ ID NO: 4460:  
Query Match 100.0%; Score 30; DB 18; Length 283;  
Best Local Similarity 100.0%; Pred. No. 0.061; Indels 0; Gaps 0;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CGAGCAAAATCATTCTTACTTACTATCTA 30  
DB 192 CGAGCAAAATCATTCTTACTTACTATCTA 163  
RESULT 5  
US-08-781-986A-4226/c  
Sequence 4226, Application US/08781986A  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8512  
TELEFAX: (301) 309-8504  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226  
Query Match 100.0%; Score 30; DB 8; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.062; Indels 0; Gaps 0;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CGAGCAAAATCATTCTTACTTACTATCTA 30  
DB 252 CGAGCAAAATCATTCTTACTTACTATCTA 223  
RESULT 6  
US-10-329-624-4226/c  
Sequence 4226, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:

US-10-329-624-4226

Query Match 100.0%; Score 30; DB 18; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.062;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCACTTTACTTACTATCTA 30  
|||||  
Db 252 CGAAGCAAAATCACTTTACTTACTATCTA 223

RESULT 7

US-08-781-986A-4246/c  
; Sequence 4246, Application US/08781986A  
; Publication No. US2003005436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248BP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4246:

SEQUENCE CHARACTERISTICS:

LENGTH: 338 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4246

Query Match 100.0%; Score 30; DB 8; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCACTTTACTTACTATCTA 30  
|||||  
Db 218 CGAAGCAAAATCACTTTACTTACTATCTA 189

RESULT 8

US-10-329-624-4246/c  
; Sequence 4246, Application US/10329624  
; Publication No. US20040043037A1  
; GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/329,624

FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/956,171

FILING DATE: October 20, 1997

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4246:

SEQUENCE CHARACTERISTICS:

LENGTH: 338 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4246:

US-10-329-624-4246  
Query Match 100.0%; Score 30; DB 18; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCACTTTACTTACTATCTA 30  
|||||  
Db 218 CGAAGCAAAATCACTTTACTTACTATCTA 189

RESULT 9

US-08-781-986A-4195/c  
; Sequence 4195, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4195

Query Match 100.0%; Score 30; DB 8; Length 340;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAGCAAAATCATTCTTACTATCTA 30  
Db 218 CGAGCAAAATCATTCTTACTATCTA 189

RESULT 10  
US-10-329-624-4195/c  
Sequence 4195, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid

STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:  
US-10-329-624-4195

Query Match 100.0%; Score 30; DB 18; Length 340;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAGCAAAATCATTCTTACTATCTA 30  
Db 218 CGAGCAAAATCATTCTTACTATCTA 189

RESULT 11  
US-08-781-986A-4175/c  
Sequence 4175, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4175

Query Match 100.0%; Score 30; DB 8; Length 348;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAGCAAAATCATTCTTACTATCTA 30  
Db 265 CGAGCAAAATCATTCTTACTATCTA 236

RESULT 12  
US-10-329-624-4175/c  
Sequence 4175, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon

Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4175:  
US-10-329-624-4175  
Query Match 100.0%; Score 30; DB 18; Length 348;  
Best Local Similarity 100.0%; Pred. No. 0.063;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CGAGCAAAATCATTACTTACTATCTA 30  
DB 265 CGAGCAAAATCATTACTTACTATCTA 236  
RESULT 13  
US-08-781-986A-4059/c  
Sequence 4059, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4059  
Query Match 100.0%; Score 30; DB 8; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.064;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CGAGCAAAATCATTACTTACTATCTA 30  
DB 183 CGAGCAAAATCATTACTTACTATCTA 154  
RESULT 14  
US-10-329-624-4059/c  
Sequence 4059, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4059:

SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4059:  
US-10-329-624-4059

Query Match 100.0%; Score 30; DB 18; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.064;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCATTCTTACTTACTATCTA 30  
|||||  
Db 183 CGAAGCAAAATCATTCTTACTTACTATCTA 154

## RESULT 15

US-08-781-986A-4118/c  
Sequence 4118, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 525  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4118:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4118

Query Match 100.0%; Score 30; DB 8; Length 371;  
Best Local Similarity 100.0%; Pred. No. 0.064;  
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAAGCAAAATCATTCTTACTTACTATCTA 30  
|||||  
Db 248 CGAAGCAAAATCATTCTTACTTACTATCTA 219

Search completed: July 23, 2005, 21:03:13  
Job time : 600.909 secs

***This Page Blank (uspto)***



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using SW model

Run on: July 23, 2005, 20:33:13 ; Search time 531.667 Seconds  
(without alignments)  
262.521 Million cell updates/sec

Title: US-09-463-209d-1\_COPY\_105\_126

Perfect score: 22

Sequence: 1 cttatcaataaatgcttcg 22

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 7173243 seqs, 3172129809 residues

Word size: 15

Total number of hits satisfying chosen parameters: 561

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/2/pubpna/PCTI\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTI\_NEW\_PUB.seq:\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
14: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*  
17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*  
18: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*  
19: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq:\*  
20: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq:\*  
21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*  
22: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*  
23: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq:\*  
24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq:\*  
25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	50	8	US-08-781-986A-5118
2	22	100.0	50	18	US-10-329-624-5118
3	22	100.0	51	8	US-08-781-986A-5094
4	22	100.0	51	18	US-10-329-624-5094
5	22	100.0	60	8	US-08-781-986A-5119
6	22	100.0	60	18	US-10-329-624-5119
7	22	100.0	295	8	US-08-781-986A-4440

8	22	100.0	295	18	US-10-329-624-4440	Sequence 4440, Ap
9	22	100.0	325	8	US-08-781-986A-4226	Sequence 4226, Ap
10	22	100.0	325	18	US-10-329-624-4226	Sequence 4226, Ap
11	22	100.0	335	8	US-08-781-986A-4356	Sequence 4356, Ap
12	22	100.0	335	18	US-10-329-624-4356	Sequence 4356, Ap
13	22	100.0	338	8	US-08-781-986A-4246	Sequence 4246, Ap
14	22	100.0	340	18	US-10-329-624-4246	Sequence 4246, Ap
15	22	100.0	340	8	US-08-781-986A-4195	Sequence 4195, Ap
16	22	100.0	340	18	US-10-329-624-4195	Sequence 4195, Ap
17	22	100.0	371	8	US-08-781-986A-4118	Sequence 4118, Ap
18	22	100.0	371	18	US-10-329-624-4118	Sequence 4118, Ap
19	22	100.0	380	8	US-08-781-986A-4075	Sequence 4075, Ap
20	22	100.0	380	18	US-10-329-624-4075	Sequence 4075, Ap
21	22	100.0	400	8	US-08-781-986A-3611	Sequence 3611, Ap
22	22	100.0	400	8	US-08-781-986A-3611	Sequence 3611, Ap
23	22	100.0	400	8	US-08-781-986A-3634	Sequence 3634, Ap
24	22	100.0	400	8	US-08-781-986A-3638	Sequence 3638, Ap
25	22	100.0	400	8	US-08-781-986A-3670	Sequence 3670, Ap
26	22	100.0	400	8	US-08-781-986A-3675	Sequence 3675, Ap
27	22	100.0	400	8	US-08-781-986A-3700	Sequence 3700, Ap
28	22	100.0	400	8	US-08-781-986A-3708	Sequence 3708, Ap
29	22	100.0	400	8	US-08-781-986A-3719	Sequence 3719, Ap
30	22	100.0	400	8	US-08-781-986A-3748	Sequence 3748, Ap
31	22	100.0	400	8	US-08-781-986A-3768	Sequence 3768, Ap
32	22	100.0	400	8	US-08-781-986A-3803	Sequence 3803, Ap
33	22	100.0	400	8	US-08-781-986A-3858	Sequence 3858, Ap
34	22	100.0	400	8	US-08-781-986A-3866	Sequence 3866, Ap
35	22	100.0	400	8	US-08-781-986A-3972	Sequence 3972, Ap
36	22	100.0	400	18	US-10-329-624-3611	Sequence 3611, Ap
37	22	100.0	400	18	US-10-329-624-3631	Sequence 3631, Ap
38	22	100.0	400	18	US-10-329-624-3638	Sequence 3638, Ap
39	22	100.0	400	18	US-10-329-624-3638	Sequence 3638, Ap
40	22	100.0	400	18	US-10-329-624-3670	Sequence 3670, Ap
41	22	100.0	400	18	US-10-329-624-3675	Sequence 3675, Ap
42	22	100.0	400	18	US-10-329-624-3700	Sequence 3700, Ap
43	22	100.0	400	18	US-10-329-624-3708	Sequence 3708, Ap
44	22	100.0	400	18	US-10-329-624-3719	Sequence 3719, Ap
45	22	100.0	400	18	US-10-329-624-3748	Sequence 3748, Ap

## ALIGNMENTS

RESULT 1  
US-08-781-986A-5118  
; Sequence 5118, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446

```

; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 5118:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-08-781-986A-5118

Query Match      100.0%; Score 22; DB 8; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTTATCAAAATAAATGTTTG 22
        |||||
Db      22 CTTATCAAAATAAATGTTTG 43

RESULT 2
US-10-329-624-5118
; Sequence 5118, Application US/10329624
; Publication No. US2004004307A1
;
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
          Gil H. Choi
          Patrick S. Dillon
          Craig A. Rosen
          Steven C. Barash
          Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSER: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/329,624
FILING DATE: 27-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/956,171
FILING DATE: October 20, 1997
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 5118:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 5118:
US-10-329-624-5118

Query Match      100.0%; Score 22; DB 18; Length 50;

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Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTTAATCAAAATAAATGTTTG 22
      |||||||
Db      22 CTTAATCAAAATAAATGTTTG 43

RESULT 3
US-08-781-986A-5094
; Sequence 5094, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 5094:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
US-08-781-986A-5094

Query Match          100.0%; Score 22; DB 8; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTTAATCAAAATAAATGTTTG 22
      |||||||
Db      23 CTTAATCAAAATAAATGTTTG 44

RESULT 4
US-10-329-624-5094
; Sequence 5094, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
;
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
;
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:

```

ADDRESS: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 5094:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 5094:  
US-10-329-624-5094  
Query Match 100.0%; Score 22; DB 18; Length 51;  
Best Local Similarity 100.0%; Pred. No. 0.35;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CTTAATCAAAATTAATGTTTG 22  
DB 23 CTTAATCAAAATTAATGTTTG 44  
RESULT 5  
US-08-781-986A-5119  
Sequence 5119, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 5119:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 60 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-5119  
Query Match 100.0%; Score 22; DB 8; Length 60;  
Best Local Similarity 100.0%; Pred. No. 0.35;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CTTAATCAAAATTAATGTTTG 22  
DB 12 CTTAATCAAAATTAATGTTTG 33  
RESULT 6  
US-10-329-624-5119  
Sequence 5119, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 5119:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 60 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 5119:

US-10-329-624-5119

Query Match 100.0%; Score 22; DB 18; Length 60;  
Best Local Similarity 100.0%; Pred. No. 0.35;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTAATCAAAATAAATGTTTG 22  
12 CTTAATCAAAATAAATGTTTG 33

RESULT 7

US-08-781-986A-4440  
Sequence 4440, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

FILING DATE:  
ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4440:

SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4440

Query Match 100.0%; Score 22; DB 8; Length 295;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTAATCAAAATAAATGTTTG 22  
63 CTTAATCAAAATAAATGTTTG 84

RESULT 8

US-10-329-624-4440  
Sequence 4440, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:

APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997

APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248PD1

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4440:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 295 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4440:  
US-10-329-624-4440

Query Match 100.0%; Score 22; DB 18; Length 295;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTAATCAAAATAAATGTTTG 22  
63 CTTAATCAAAATAAATGTTTG 84

RESULT 9

US-08-781-986A-4226/c  
Sequence 4226, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:

APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226

Query Match 100.0%; Score 22; DB 8; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAAATGTTTG 22  
Db 274 CTTAATCAAAATAAATGTTTG 253

RESULT 10  
US-10-329-624-4226/C  
Sequence 4226, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barrash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid

STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:  
US-10-329-624-4226

Query Match 100.0%; Score 22; DB 18; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAAATGTTTG 22  
Db 274 CTTAATCAAAATAAATGTTTG 253

RESULT 11  
US-08-781-986A-4356  
Sequence 4356, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barrash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4356:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 335 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4356

Query Match 100.0%; Score 22; DB 8; Length 335;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CTTAATCAAAATAAATGTTTG 22  
Db 311 CTTAATCAAAATAAATGTTTG 332

RESULT 12  
US-10-329-624-4356  
Sequence 4356, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon

Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4356:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 335 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4356:  
US-10-329-624-4356  
Query Match 100.0%; Score 22; DB 18; Length 335;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 CTTATCAAAATTAATGTTTG 22  
Db 311 CTTATCAAAATTAATGTTTG 332  
RESULT 13  
US-08-781-986A-4246/c  
Sequence 4246, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE: 435  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4246  
Query Match 100.0%; Score 22; DB 8; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.38;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 CTTATCAAAATTAATGTTTG 22  
Db 240 CTTATCAAAATTAATGTTTG 219  
RESULT 14  
US-10-329-624-4246/c  
Sequence 4246, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4246:

```

;
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 338 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 4246:
US-10-329-624-4246

```

```

Query Match          100.0%; Score 22; DB 18; Length 338;
Best Local Similarity 100.0%; Pred.No. 0.38;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

OY      1 CTTAATCAAAATAAATGTTTG 22
         |||||
Db      240 CTTAATCAAAATAAATGTTTG 219

```

```

RESULT 15
US-08-781-986A-4195/C
; Sequence 4195, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunach
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248BP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 4195:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 340 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;
; US-08-781-986A-4195

```

```

Query Match          100.0%; Score 22; DB 8; Length 340;
Best Local Similarity 100.0%; Pred.No. 0.38;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

OY      1 CTTAATCAAAATAAATGTTTG 22
         |||||
Db      240 CTTAATCAAAATAAATGTTTG 219

```

Search completed: July 23, 2005, 23:53:59  
 Job time : 531.667 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using bw model

Run on: July 23, 2005, 12:13:40 ; Search time 86.9451 Seconds  
(without alignments)  
432.852 Million cell updates/sec

Title: US-09-463-209D-3

Perfect score: 23

Sequence: 1 taagtaaaagtgatttcctcg 23

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	100.0	242	4	US-08-956-171E-4538
2	23	100.0	242	4	US-08-781-986A-4538
3	23	100.0	283	4	US-08-956-171E-4460
4	23	100.0	283	4	US-08-781-986A-4460
5	23	100.0	325	4	US-08-956-171E-4226
6	23	100.0	325	4	US-08-781-986A-4226
7	23	100.0	338	4	US-08-956-171E-4246
8	23	100.0	338	4	US-08-781-986A-4246
9	23	100.0	340	4	US-08-956-171E-4195
10	23	100.0	340	4	US-08-781-986A-4195
11	23	100.0	348	4	US-08-956-171E-4175
12	23	100.0	348	4	US-08-781-986A-4175
13	23	100.0	367	4	US-08-956-171E-4059
14	23	100.0	367	4	US-08-781-986A-4059
15	23	100.0	371	4	US-08-956-171E-4118
16	23	100.0	371	4	US-08-781-986A-4118
17	23	100.0	386	4	US-08-956-171E-4064
18	23	100.0	386	4	US-08-781-986A-4064
19	23	100.0	400	4	US-08-956-171E-3611
20	23	100.0	400	4	US-08-781-986A-3611
21	23	100.0	400	4	US-08-956-171E-3634
22	23	100.0	400	4	US-08-781-986A-3634
23	23	100.0	400	4	US-08-956-171E-3670
24	23	100.0	400	4	US-08-781-986A-3670
25	23	100.0	400	4	US-08-956-171E-3719
26	23	100.0	400	4	US-08-781-986A-3719
27	23	100.0	400	4	US-08-956-171E-3738
28	23	100.0	400	4	US-08-781-986A-3738

28	23	100.0	400	4	US-08-956-171E-3768	Sequence 3768, Ap
29	23	100.0	400	4	US-08-956-171E-3803	Sequence 3803, Ap
30	23	100.0	400	4	US-08-956-171E-3866	Sequence 3866, Ap
31	23	100.0	400	4	US-08-956-171E-3934	Sequence 3934, Ap
32	23	100.0	400	4	US-08-781-986A-3611	Sequence 3611, Ap
33	23	100.0	400	4	US-08-781-986A-3624	Sequence 3624, Ap
34	23	100.0	400	4	US-08-781-986A-3634	Sequence 3634, Ap
35	23	100.0	400	4	US-08-781-986A-3658	Sequence 3658, Ap
36	23	100.0	400	4	US-08-781-986A-3670	Sequence 3670, Ap
37	23	100.0	400	4	US-08-781-986A-3675	Sequence 3675, Ap
38	23	100.0	400	4	US-08-781-986A-3719	Sequence 3719, Ap
39	23	100.0	400	4	US-08-781-986A-3738	Sequence 3738, Ap
40	23	100.0	400	4	US-08-781-986A-3748	Sequence 3748, Ap
41	23	100.0	400	4	US-08-781-986A-3768	Sequence 3768, Ap
42	23	100.0	400	4	US-08-781-986A-3803	Sequence 3803, Ap
43	23	100.0	400	4	US-08-781-986A-3866	Sequence 3866, Ap
44	23	100.0	400	4	US-08-781-986A-3934	Sequence 3934, Ap
45	23	100.0	401	4	US-08-956-171E-3731	Sequence 3731, Ap

## ALIGNMENTS

RESULT 1  
US-08-956-171E-4538  
Sequence 4538, Application US/08956171E  
Patent No. 6593114

## GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Pannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248B1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8639

INFORMATION FOR SEQ ID NO: 4538:

SEQUENCE CHARACTERISTICS:

LENGTH: 242 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4538:

US-08-956-171E-4538

Query Match 100.0%; Score 23; DB 4; Length 242;  
Best Local Similarity 100.0%; Pred. No. 0.28;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TAACTAAAGTATTTGCTTCG 23  
|||  
Db 209 TAACTAAAGTATTTGCTTCG 231

## RESULT 2

US-08-781-986A-4538  
Sequence 4538, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4538:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 242 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4538

Query Match 100.0%; Score 23; DB 4; Length 242;  
Best Local Similarity 100.0%; Pred. No. 0.28;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TAACTAAAGTATTTGCTTCG 23  
|||  
Db 209 TAACTAAAGTATTTGCTTCG 231

## RESULT 3

US-08-956-171E-4460  
Sequence 4460, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
GIL H. Choi  
PATRICK S. DILLON  
CRAIG A. ROSEN  
STEVEN C. BARASH  
MICHAEL R. FANON  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

## ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

## INFORMATION FOR SEQ ID NO: 4460:

SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-08-956-171E-4460  
SEQUENCE DESCRIPTION: SEQ ID NO: 4460:

Query Match 100.0%; Score 23; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 0.29;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TAACTAAAGTATTTGCTTCG 23  
|||  
Db 170 TAACTAAAGTATTTGCTTCG 192

## RESULT 4

US-08-781-986A-4460  
Sequence 4460, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4460

Query Match 100.0%; Score 23; DB 4; Length 283;  
Best Local Similarity 100.0%; Pred. No. 0.29;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTTCCTCG 23  
Db 170 TAAGTAAAGTGATTTCCTCG 192

RESULT 5  
US-08-956-171E-4226  
Sequence 4226, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4226:  
US-08-956-171E-4226

Query Match 100.0%; Score 23; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.29;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTTCCTCG 23  
Db 230 TAAGTAAAGTGATTTCCTCG 252

RESULT 6  
US-08-781-986A-4226  
Sequence 4226, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4226

Query Match 100.0%; Score 23; DB 4; Length 325;  
Best Local Similarity 100.0%; Pred. No. 0.29;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTTCCTCG 23  
Db 230 TAAGTAAAGTGATTTCCTCG 252

RESULT 7  
US-08-956-171E-4246  
Sequence 4246, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4246:  
US-08-956-171E-4246  
Query Match 100.0%; Score 23; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 TAAGTAAAGTATTGCTTCG 23  
Db 196 TAAGTAAAGTATTGCTTCG 218  
RESULT 8  
US-08-781-986A-4246  
Sequence 4246, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunisch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4246:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4246  
Query Match 100.0%; Score 23; DB 4; Length 338;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 TAAGTAAAGTATTGCTTCG 23  
Db 196 TAAGTAAAGTATTGCTTCG 218  
RESULT 9  
US-08-956-171E-4195  
Sequence 4195, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunisch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:

US-08-956-171E-4195

Query Match 100.0%; Score 23; DB 4; Length 340;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTGCTTCG 23

Db 196 TAAGTAAAGTGATTGCTTCG 218

RESULT 10

US-08-781-986A-4195

Sequence 4195, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248BP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4195:

SEQUENCE CHARACTERISTICS:

LENGTH: 340 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4195

Query Match 100.0%; Score 23; DB 4; Length 340;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTGCTTCG 23

Db 196 TAAGTAAAGTGATTGCTTCG 218

RESULT 11

US-08-956-171E-4175

Sequence 4175, Application US/08956171E

Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

GIL H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4175:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4175:

US-08-956-171E-4175

Query Match 100.0%; Score 23; DB 4; Length 348;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTGCTTCG 23

Db 243 TAAGTAAAGTGATTGCTTCG 265

RESULT 12

US-08-781-986A-4175

Sequence 4175, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4175

Query Match 100.0%; Score 23; DB 4; Length 348;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAAGTATTGCTTCG 23  
Db 243 TAACTAAAAGTATTGCTTCG 265

RESULT 13  
US-08-956-171E-4059  
Sequence 4059, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4059:  
US-08-956-171E-4059

Query Match 100.0%; Score 23; DB 4; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAAGTATTGCTTCG 23  
Db 161 TAACTAAAAGTATTGCTTCG 183

RESULT 14  
US-08-781-986A-4059  
Sequence 4059, Application US/08781986A  
Patent No. 6737248  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4059

Query Match 100.0%; Score 23; DB 4; Length 367;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAAGTATTGCTTCG 23  
Db 161 TAACTAAAAGTATTGCTTCG 183

RESULT 15  
US-08-956-171E-4118  
Sequence 4118, Application US/08956171E  
Patent No. 6593114  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash

Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/956,171E  
FILING DATE: 20-Oct-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4118:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4118:  
US-08-956-171E-4118

Query Match 100.0%; Score 23; DB 4; Length 371;  
Best Local Similarity 100.0%; Pred. No. 0.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAGTATTTGCTCG 23  
|||  
Db 226 TAACTAAAGTATTTGCTCG 248

Search completed: July 23, 2005, 15:51:00  
Job time : 86.9451 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using SW model

Run on: July 23, 2005, 15:19:37 ; Search time 460.505 Seconds  
(without alignments)  
316.865 Million cell updates/sec

Title: US-09-463-209D-3  
Perfect score: 23  
Sequence: 1 taagtaaaagtattgtcttcg 23

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 7173243 seqs, 3172129809 residues  
Total number of hits satisfying chosen parameters: 14346486

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database :

Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq:\*
- 19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq:\*
- 20: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*
- 21: /cgn2\_6/ptodata/2/pubpna/US10I\_NEW\_PUB.seq:\*
- 22: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq:\*
- 23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq:\*
- 24: /cgn2\_6/ptodata/2/pubpna/US11A\_NEW\_PUB.seq:\*
- 25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23	100.0	242	8	US-08-781-986A-4538
2	23	100.0	242	18	US-10-329-624-4538
3	23	100.0	283	8	US-08-781-986A-4460
4	23	100.0	283	18	US-10-329-624-4460
5	23	100.0	325	8	US-08-781-986A-4226
6	23	100.0	325	18	US-10-329-624-4226
7	23	100.0	338	8	US-08-781-986A-4246

8	23	100.0	338	18	US-10-329-624-4246	Sequence 4246, Ap
9	23	100.0	340	8	US-08-781-986A-4195	Sequence 4195, Ap
10	23	100.0	340	18	US-10-329-624-4195	Sequence 4195, Ap
11	23	100.0	348	8	US-08-781-986A-4175	Sequence 4175, Ap
12	23	100.0	348	18	US-10-329-624-4175	Sequence 4175, Ap
13	23	100.0	367	8	US-08-781-986A-4059	Sequence 4059, Ap
14	23	100.0	367	18	US-10-329-624-4059	Sequence 4059, Ap
15	23	100.0	371	8	US-08-781-986A-4118	Sequence 4118, Ap
16	23	100.0	371	18	US-10-329-624-4118	Sequence 4118, Ap
17	23	100.0	385	8	US-08-781-986A-4064	Sequence 4064, Ap
18	23	100.0	385	18	US-10-329-624-4064	Sequence 4064, Ap
19	23	100.0	400	8	US-08-781-986A-3611	Sequence 3611, Ap
20	23	100.0	400	8	US-08-781-986A-3624	Sequence 3624, Ap
21	23	100.0	400	8	US-08-781-986A-3634	Sequence 3634, Ap
22	23	100.0	400	8	US-08-781-986A-3638	Sequence 3638, Ap
23	23	100.0	400	8	US-08-781-986A-3670	Sequence 3670, Ap
24	23	100.0	400	8	US-08-781-986A-3675	Sequence 3675, Ap
25	23	100.0	400	8	US-08-781-986A-3719	Sequence 3719, Ap
26	23	100.0	400	8	US-08-781-986A-3728	Sequence 3728, Ap
27	23	100.0	400	8	US-08-781-986A-3748	Sequence 3748, Ap
28	23	100.0	400	8	US-08-781-986A-3768	Sequence 3768, Ap
29	23	100.0	400	8	US-08-781-986A-3803	Sequence 3803, Ap
30	23	100.0	400	8	US-08-781-986A-3866	Sequence 3866, Ap
31	23	100.0	400	8	US-08-781-986A-3934	Sequence 3934, Ap
32	23	100.0	400	18	US-10-329-624-3611	Sequence 3611, Ap
33	23	100.0	400	18	US-10-329-624-3634	Sequence 3634, Ap
34	23	100.0	400	18	US-10-329-624-3638	Sequence 3638, Ap
35	23	100.0	400	18	US-10-329-624-3670	Sequence 3670, Ap
36	23	100.0	400	18	US-10-329-624-3675	Sequence 3675, Ap
37	23	100.0	400	18	US-10-329-624-3719	Sequence 3719, Ap
38	23	100.0	400	18	US-10-329-624-3728	Sequence 3728, Ap
39	23	100.0	400	18	US-10-329-624-3748	Sequence 3748, Ap
40	23	100.0	400	18	US-10-329-624-3768	Sequence 3768, Ap
41	23	100.0	400	18	US-10-329-624-3803	Sequence 3803, Ap
42	23	100.0	400	18	US-10-329-624-3866	Sequence 3866, Ap
43	23	100.0	400	18	US-10-329-624-3934	Sequence 3934, Ap
44	23	100.0	400	18	US-10-329-624-3934	Sequence 3934, Ap
45	23	100.0	401	8	US-08-781-986A-3731	Sequence 3731, Ap

## ALIGNMENTS

RESULT 1  
US-08-781-986A-4538  
Sequence 4538, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, BOB  
REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4538:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 242 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4538

Query Match  
Best Local Similarity 100.0%; Score 23; DB 8; Length 242;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 209 TAAGTAAAGTGATTTGCTTCG 231

RESULT 2  
US-10-329-624-4538  
Sequence 4538, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248PDL1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4538:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 242 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4538:  
US-10-329-624-4538

Query Match 100.0%; Score 23; DB 18; Length 242;

Best Local Similarity 100.0%; Pred. No. 4.1;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 209 TAAGTAAAGTGATTTGCTTCG 231

RESULT 3  
US-08-781-986A-4460  
Sequence 4460, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4460

Query Match 100.0%; Score 23; DB 8; Length 283;  
Best Local Similarity 100.0%; Pred. No. 4.2;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 170 TAAGTAAAGTGATTTGCTTCG 192

RESULT 4  
US-10-329-624-4460  
Sequence 4460, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:

ADDRESSER: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4460:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 283 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4460:  
US-10-329-624-4460

Query Match 100.0%; Score 23; DB 18; Length 283;  
Best Local Similarity 100.0%; Pred. NO. 4.2; Indels 0; Gaps 0;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTATTGCTTCG 23  
|||||  
Db 170 TAAGTAAAGTATTGCTTCG 192

RESULT 5  
US-08-781-986A-4226  
Sequence 4226, Application US/08781986A  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-08-781-986A-4226

Query Match 100.0%; Score 23; DB 8; Length 325;  
Best Local Similarity 100.0%; Pred. NO. 4.3; Indels 0; Gaps 0;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTATTGCTTCG 23  
|||||  
Db 230 TAAGTAAAGTATTGCTTCG 252

RESULT 6  
US-10-329-624-4226  
Sequence 4226, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunach  
Gill H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4226:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4226:

US-10-329-624-4226

Query Match 100.0%; Score 23; DB 18; Length 325;  
Best Local Similarity 100.0%; Pred. No. 4.3;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTGCTTCG 23  
Db 230 TAAGTAAAGTGATTGCTTCG 252

## RESULT 7

US-08-781-986A-4246  
; Sequence 4246, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/781,986A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Benson, Bob  
; REGISTRATION NUMBER: 30,446  
; REFERENCE/DOCKET NUMBER: PB248BP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 4246:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 338 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; US-08-781-986A-4246

Query Match 100.0%; Score 23; DB 8; Length 338;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTGCTTCG 23  
Db 196 TAAGTAAAGTGATTGCTTCG 218

## RESULT 8

US-10-329-624-4246  
; Sequence 4246, Application US/10329624  
; Publication No. US20040043037A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch

; Gil H. Choi  
; Patrick S. Dillon  
; Craig A. Rosen  
; Steven C. Barash  
; Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

## INFORMATION FOR SEQ ID NO: 4246:

SEQUENCE CHARACTERISTICS:  
LENGTH: 338 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-10-329-624-4246  
SEQUENCE DESCRIPTION: SEQ ID NO: 4246:

Query Match 100.0%; Score 23; DB 18; Length 338;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTGCTTCG 23  
Db 196 TAAGTAAAGTGATTGCTTCG 218

## RESULT 9

US-08-781-986A-4195  
; Sequence 4195, Application US/08781986A  
; Publication No. US20030054436A1  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch

; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 5255  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4195

Query Match 100.0%; Score 23; DB 8; Length 340;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 196 TAAGTAAAGTGATTTGCTTCG 218

RESULT 10  
US-10-329-624-4195  
Sequence 4195, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439  
INFORMATION FOR SEQ ID NO: 4195:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid

STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4195:  
US-10-329-624-4195

Query Match 100.0%; Score 23; DB 18; Length 340;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 196 TAAGTAAAGTGATTTGCTTCG 218

RESULT 11  
US-08-781-986A-4175  
Sequence 4175, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4175

Query Match 100.0%; Score 23; DB 8; Length 348;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAAGTAAAGTGATTTGCTTCG 23  
Db 243 TAAGTAAAGTGATTTGCTTCG 265

RESULT 12  
US-10-329-624-4175  
Sequence 4175, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon

Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4175:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 348 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4175:  
US-10-329-624-4175

Query Match 100.0%; Score 23; DB 18; Length 348;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAGTATTGCTTCG 23  
DB 243 TAACTAAAGTATTGCTTCG 265

RESULT 13  
US-08-781-986A-4059  
Sequence 4059, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, Bob  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248PP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4059:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

US-08-781-986A-4059

Query Match 100.0%; Score 23; DB 8; Length 367;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAACTAAAGTATTGCTTCG 23  
DB 161 TAACTAAAGTATTGCTTCG 183

RESULT 14  
US-10-329-624-4059  
Sequence 4059, Application US/10329624  
Publication No. US20040043037A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
Gil H. Choi  
Patrick S. Dillon  
Craig A. Rosen  
Steven C. Barash  
Michael R. Fannon  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5256  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/329,624  
FILING DATE: 27-Dec-2002

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/956,171  
FILING DATE: October 20, 1997  
APPLICATION NUMBER: 60/009,861  
FILING DATE: January 5, 1996  
APPLICATION NUMBER: 08/781,986  
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:  
NAME: Mark J. Hyman  
REGISTRATION NUMBER: 46,789  
REFERENCE/DOCKET NUMBER: PB248P1D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (240) 314-1224  
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4059:

SEQUENCE CHARACTERISTICS:  
LENGTH: 367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 4059:  
US-10-329-624-4059

Query Match 100.0%; Score 23; DB 18; Length 367;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTTCCTCG 23  
|||  
Db 161 TAAGTAAAGTGATTTCCTCG 183

RESULT 15  
US-08-781-986A-4118  
Sequence 4118, Application US/08781986A  
Publication No. US20030054436A1  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 5255  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,986A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Benson, BOB.  
REGISTRATION NUMBER: 30,446  
REFERENCE/DOCKET NUMBER: PB248BP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 4118:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-781-986A-4118

Query Match 100.0%; Score 23; DB 8; Length 371;  
Best Local Similarity 100.0%; Pred. No. 4.4;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAAGTAAAGTGATTTCCTCG 23  
|||  
Db 226 TAAGTAAAGTGATTTCCTCG 248

Search completed: July 23, 2005, 21:03:14  
Job time : 460.755 secs

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